

## CD TBI Combo 1 (human)

**Catalog Number:** AK1552

| Catalog Number 2 | Size          | Price in USD                   |
|------------------|---------------|--------------------------------|
| AK1552-1         | 1 plate size  | <a href="#">Online Inquiry</a> |
| AK1552-2         | 5 plate size  | <a href="#">Online Inquiry</a> |
| AK1552-4         | 25 plate size | <a href="#">Online Inquiry</a> |

| Product Information |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name        | CD TBI Combo 1 (human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Description         | CD Combos offer popular panels of biomarkers that have been grouped together for convenient ordering. They have been tested for multiplex compatibility and are fulfilled as a kit. The CD TBI Combo 1 (human) combines ten assays (Table 1) that are a mix of inflammatory biomarkers related to traumatic brain injury. The assays can be used for quantitative measurements in the sample types listed in the "Specifications" tab below, and offer detection limits (LLODs) in the sub- to low pg/mL range. (TBI = traumatic brain injury) |
| Applications        | Neurobiology/Neurodegeneration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Analytes            | CD40L (soluble), Fractalkine, IFN- $\gamma$ , IL-1 $\beta$ , IL-6, IL-18, MCP-1, RANKL/TNFSF11, TNF- $\alpha$ , VEGF-D                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Species             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Instruments         | SECTOR Imager 2400 , MESO QuickPlex SQ 120MM , MESO SECTOR S 600 , SECTOR Imager 6000 , MESO SECTOR S 600MM , MESO QuickPlex SQ 120                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sample Type         | Serum, Plasma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Schedule B Code     | 3002.15.0100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Plate Type          | 96-well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Usage               | For Research Use Only. Not for use in diagnostic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Conditions  | Multi-Component                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Kit Contents                          |               |                  |
|---------------------------------------|---------------|------------------|
| AK1552-1                              |               |                  |
| Product Description                   | Storage       | Quantity per Kit |
| CD 10-Assay, 96-Well SECTOR Plate     | 2-8 °C        | 1 each(1 plate)  |
| CD Linker Set, 10-Assay (300 $\mu$ L) | 2-8 °C        | 1 each(1 vial)   |
| MSD GOLD Read Buffer B                | RT            | 1 bottle(18 mL)  |
| Diluent 58                            | $\leq$ -10 °C | 1 bottle(50 mL)  |

| Kit Contents                                         |         |                      |
|------------------------------------------------------|---------|----------------------|
| Diluent 3                                            | ≤-10 °C | 1 bottle(8 mL)       |
| CD Stop Solution                                     | 2-8 °C  | 1 bottle(40 mL)      |
| Calibrator 21                                        | 2-8 °C  | 1 vial(1 vial)       |
| Calibrator 4                                         | 2-8 °C  | 1 vial(1 vial)       |
| Calibrator 3                                         | 2-8 °C  | 1 vial(1 vial)       |
| Calibrator 2                                         | 2-8 °C  | 1 vial(1 vial)       |
| Calibrator 1                                         | 2-8 °C  | 1 vial(1 vial)       |
| CD Human IL-18 Antibody Set (1 Plate Size)           | 2-8 °C  | 1 each(1 plate size) |
| CD Human CD40L (soluble) Antibody Set (1 Plate Size) | 2-8 °C  | 1 each(1 plate size) |
| CD Human RANKL/TNFSF11 Antibody Set (1 Plate Size)   | 2-8 °C  | 1 each(1 plate size) |
| CD Human IFN-γ Antibody Set (1 Plate Size)           | 2-8 °C  | 1 each(1 plate size) |
| CD Human IL-1β Antibody Set (1 Plate Size)           | 2-8 °C  | 1 each(1 plate size) |
| CD Human IL-6 Antibody Set (1 Plate Size)            | 2-8 °C  | 1 each(1 plate size) |
| CD Human TNF-α Antibody Set (1 Plate Size)           | 2-8 °C  | 1 each(1 plate size) |
| CD Human MCP-1 Antibody Set (1 Plate Size)           | 2-8 °C  | 1 each(1 plate size) |
| CD Human Fractalkine Antibody Set (1 Plate Size)     | 2-8 °C  | 1 each(1 plate size) |
| CD Human VEGF-D Antibody Set (1 Plate Size)          | 2-8 °C  | 1 each(1 plate size) |

#### AK1552-2

| Product Description                         | Storage | Quantity per Kit     |
|---------------------------------------------|---------|----------------------|
| CD Human VEGF-D Antibody Set (5 Plate Size) | 2-8 °C  | 1 each(5 plate size) |
| MSD GOLD Read Buffer B                      | RT      | 1 bottle(90 mL)      |
| Diluent 58                                  | ≤-10 °C | 1 bottle(50 mL)      |
| Diluent 3                                   | ≤-10 °C | 1 bottle(40 mL)      |
|                                             |         |                      |

| Kit Contents                                         |        |                      |
|------------------------------------------------------|--------|----------------------|
| CD Stop Solution                                     | 2-8 °C | 1 bottle(40 mL)      |
| CD 10-Assay, 96-Well SECTOR Plate                    | 2-8 °C | 5 each(1 plate)      |
| Calibrator 21                                        | 2-8 °C | 5 vial(1 vial)       |
| Calibrator 4                                         | 2-8 °C | 5 vial(1 vial)       |
| Calibrator 3                                         | 2-8 °C | 5 vial(1 vial)       |
| Calibrator 2                                         | 2-8 °C | 5 vial(1 vial)       |
| Calibrator 1                                         | 2-8 °C | 5 vial(1 vial)       |
| CD Human Fractalkine Antibody Set (5 Plate Size)     | 2-8 °C | 1 each(5 plate size) |
| CD Human IL-18 Antibody Set (5 Plate Size)           | 2-8 °C | 1 each(5 plate size) |
| CD Linker Set, 10-Assay (1.8 mL)                     | 2-8 °C | 1 each(1 vial)       |
| CD Human CD40L (soluble) Antibody Set (5 Plate Size) | 2-8 °C | 1 each(5 plate size) |
| CD Human RANKL/TNFSF11 Antibody Set (5 Plate Size)   | 2-8 °C | 1 each(5 plate size) |
| CD Human IFN- $\gamma$ Antibody Set (5 Plate Size)   | 2-8 °C | 1 each(5 plate size) |
| CD Human IL-1 $\beta$ Antibody Set (5 Plate Size)    | 2-8 °C | 1 each(5 plate size) |
| CD Human IL-6 Antibody Set (5 Plate Size)            | 2-8 °C | 1 each(5 plate size) |
| CD Human TNF- $\alpha$ Antibody Set (5 Plate Size)   | 2-8 °C | 1 each(5 plate size) |
| CD Human MCP-1 Antibody Set (5 Plate Size)           | 2-8 °C | 1 each(5 plate size) |

#### AK1552-4

| Product Description               | Storage       | Quantity per Kit |
|-----------------------------------|---------------|------------------|
| MSD GOLD Read Buffer B            | RT            | 5 bottle(90 mL)  |
| Diluent 58                        | $\leq -10$ °C | 5 bottle(50 mL)  |
| Diluent 3                         | $\leq -10$ °C | 5 bottle(40 mL)  |
| CD Stop Solution                  | 2-8 °C        | 5 bottle(40 mL)  |
| CD 10-Assay, 96-Well SECTOR Plate | 2-8 °C        | 25 each(1 plate) |
| Calibrator 21                     | 2-8 °C        | 25 vial(1 vial)  |

| Kit Contents                                         |        |                      |
|------------------------------------------------------|--------|----------------------|
| Calibrator 4                                         | 2-8 °C | 25 vial(1 vial)      |
| Calibrator 3                                         | 2-8 °C | 25 vial(1 vial)      |
| Calibrator 2                                         | 2-8 °C | 25 vial(1 vial)      |
| Calibrator 1                                         | 2-8 °C | 25 vial(1 vial)      |
| CD Human VEGF-D Antibody Set (5 Plate Size)          | 2-8 °C | 5 each(5 plate size) |
| CD Human IL-18 Antibody Set (5 Plate Size)           | 2-8 °C | 5 each(5 plate size) |
| CD Human Fractalkine Antibody Set (5 Plate Size)     | 2-8 °C | 5 each(5 plate size) |
| CD Human MCP-1 Antibody Set (5 Plate Size)           | 2-8 °C | 5 each(5 plate size) |
| CD Human TNF- $\alpha$ Antibody Set (5 Plate Size)   | 2-8 °C | 5 each(5 plate size) |
| CD Human IL-6 Antibody Set (5 Plate Size)            | 2-8 °C | 5 each(5 plate size) |
| CD Human IL-1 $\beta$ Antibody Set (5 Plate Size)    | 2-8 °C | 5 each(5 plate size) |
| CD Human IFN- $\gamma$ Antibody Set (5 Plate Size)   | 2-8 °C | 5 each(5 plate size) |
| CD Human RANKL/TNFSF11 Antibody Set (5 Plate Size)   | 2-8 °C | 5 each(5 plate size) |
| CD Human CD40L (soluble) Antibody Set (5 Plate Size) | 2-8 °C | 5 each(5 plate size) |
| CD Linker Set, 10-Assay (1.8 mL)                     | 2-8 °C | 5 each(1 vial)       |