

Tnfsf11 Knockout cell line (MLO-Y4)

Catalog Number: KO01190

Product Information	
Product Name	Tnfsf11 Knockout cell line (MLO-Y4)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:4
species	Mouse
Gene	Tnfsf11
Gene ID	21943
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90% Alpha MEM+10%FBS
Parental Cell Line	MLO-Y4
Quality Control	Genotype: Tnfsf11 Knockout cell line (MLO-Y4) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins.

Gene Information	
Gene Official Full Name	tumor necrosis factor (ligand) superfamily, member 11 provided by MGI
Also known as	ODF; OPGL; RANKL; Ly109l; Trance
Gene Description	Enables identical protein binding activity; receptor ligand activity; and tumor necrosis factor receptor superfamily binding activity. Involved in several processes, including intracellular signaling cassette; positive regulation of secretion by cell; and regulation of DNA-templated transcription. Acts upstream of or within several processes, including cellular response to cytokine stimulus; mammary gland development; and positive regulation of intracellular signal transduction. Predicted to be located in cytoplasm and plasma membrane. Predicted to be active in extracellular space. Is expressed in bone; genitourinary system; hemolymphoid system; incisor; and rib. Used to study autosomal recessive osteopetrosis 2 and osteoporosis. Human ortholog(s) of this gene implicated in autosomal recessive osteopetrosis 2 and osteoporosis. Orthologous to human TNFSF11 (TNF superfamily member 11). [provided by Alliance of Genome Resources, Apr 2025]
Expression	Biased expression in thymus adult (RPKM 1.0), mammary gland adult (RPKM 0.5) and 8 other

tissues [See more](#)