Recombinant Mouse TREM2 Protein

RPCB1621

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	**Tag:**	C-His
Reactivity:	Mouse	**Expressed Host:**	HEK293 cells
Calculated MW:	17.65 kDa	**Observerd MW:**	25-40 kDa

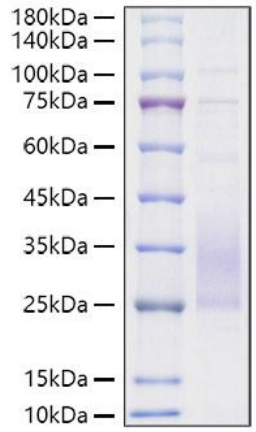
Background

Triggering Receptor Expressed on Myeloid cells 2 (TREM2)is a 35 kDa type I transmembrane member of the TREM family and Ig superfamily. Mature human TREM2 consists of a 156 amino acid (aa) extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane (TM) domain, and a 35 aa cytoplasmic tail. Soluble forms of the TREM2 ECD are generated by alternative splicing or proteolytic cleavage, and the cytoplasmic domain can be liberated by gamma-Secretase mediated intramembrane cleavage. A positively charged lysine within the transmembrane segment allows association with the signal adapter protein, DAP12 and inhibition of macrophage activation. TREM2 is expressed on macrophages, immature myeloid dendritic cells, osteoclasts, microglia, and adipocytes.It promotes the differentiation and function of osteoclasts, the production of inflammatory cytokines by adipocytes, insulin resistance, and the phagocytic clearance of bacteria

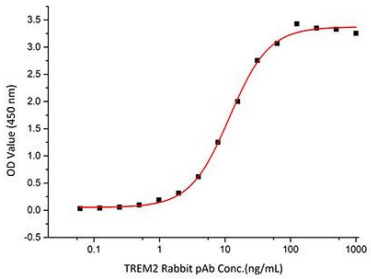
Properties

Synonyms:	TREM-2, Trem2a, Trem2b, Trem2c, TREM2
Gene ID:	83433
Endotoxin:	Please contact us for more information.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Mouse TREM2 Protein (RPCB1621), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 90 % as determined by SDS-PAGE.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Mouse TREM2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Mouse TREM-2 Protein at 1 µg/mL (100 µL/well) can bind TREM-2 Rabbit pAb with a linear range of 0.06-11.7 ng/mL