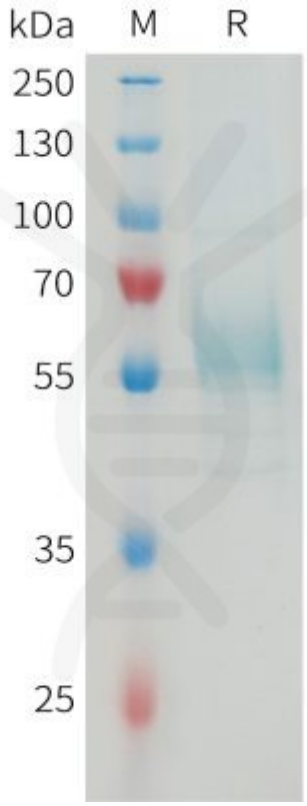
PRODUCT INFORMATION

Target	TREM2
Synonyms	TREM-2;Trem2a;Trem2b;Trem2c
Description	Recombinant mouse TREM2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q99NH8
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse TREM2(Leu19-Ser171) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 42.9 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is part of the immunoglobulin and lectin-like superfamily and functions as part of the innate immune system. This gene forms part of a cluster of genes on mouse chromosome 17 thought to be involved in innate immunity. This protein associates with the adaptor protein Dap-12 and recruits several factors, such as kinases and phospholipase C-gamma, to form a receptor signaling complex that activates myeloid cells, including dendritic cells and microglia. In humans homozygous loss-of-function mutations in this gene cause Nasu-Hakola disease and mutations in this gene may be risk factors to the development of Alzheimer's disease. In mouse mutations of this gene serve as a pathophysiological model for polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (Nasu-Hakola disease) and for inflammatory bowel disease. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]
Usage	Research use only
Conjugate	Unconjugated

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PME-M100080

Figure 1. Mouse TREM2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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