Datasheet for ABIN7538568

TREM2 Protein (AA 19-171) (Fc Tag)

1 Image

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Overview

Quantity:	50 µg
Target:	TREM2
Protein Characteristics:	AA 19-171
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse TREM2 protein with C-terminal human Fc tag
Specificity:	Mouse TREM2 (Leu19-Ser171) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	TREM2
Alternative Name:	TREM2 (TREM2 Products)
Background:	The protein encoded by this gene is part of the immunoglobulin and lectin-like superfamily and

Target Details

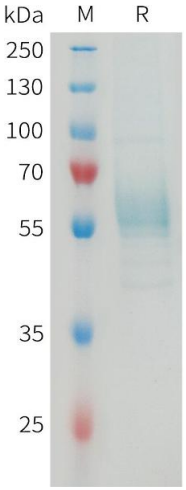
	functions as part of the innate immune system. This gene forms part of a cluster of genes on mouse chromosome 17 thought to be involved in innate immunity. This protein associates with the adaptor protein Dap-12 and recruits several factors, such as kinases and phospholipase C-gamma, to form a receptor 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]
Molecular Weight:	predicted molecular mass of 42.9 kDa after removal of the signal peptide.
UniProt:	Q99NH8

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse T Protein, hFc Tag on SDS-PAGE under reducing condition.

