

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	TREM2
Synonyms	PLOSL2; TREM-2; Trem2a; Trem2b; Trem2c
Description	Human TREM2 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q9NZC2
Expression Host	HEK293
Protein Families	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length TREM2 protein has a MW of 25.4 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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	A membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The encoded protein functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL).
Usage	Research use only



**ELISA assay to evaluate TREM2-Nanodisc**  
0.2µg Human TREM2-Nanodisc per well

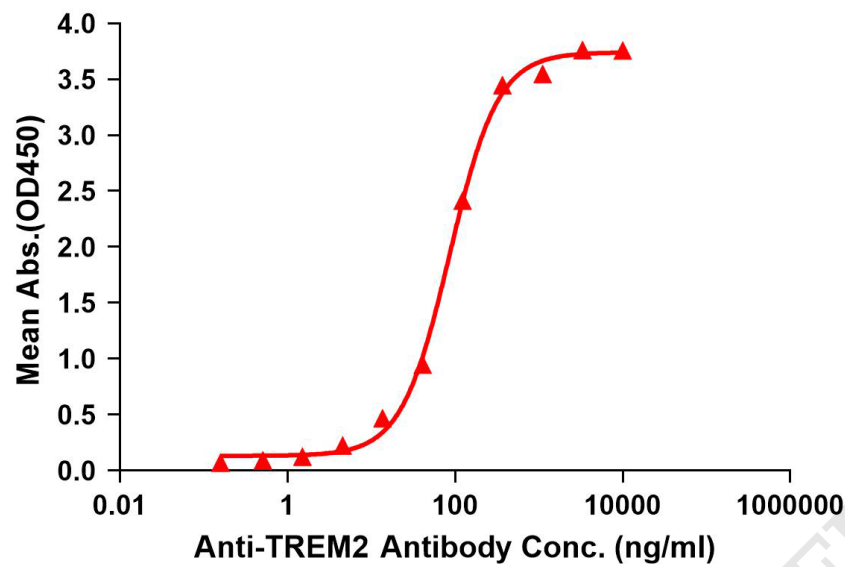


Figure 1. Elisa plates were pre-coated with C-Flag Tag TREM2-Nanodisc (0.2µg/per well). Serial diluted anti-TREM2 monoclonal antibody (BME100294) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-TREM2 monoclonal antibody binding with TREM2-Nanodisc is 86.58ng/ml.

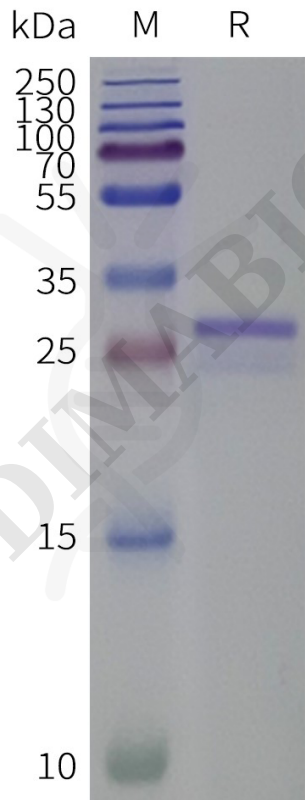


Figure 2. Human TREM2-Nanodisc, Flag Tag on SDS-PAGE

