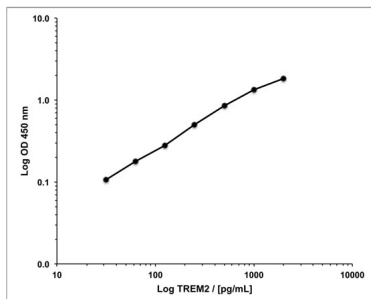


Human TREM2 ELISA Kit (1 Plate)

Catalogue No.:	BEK-2339-1P
Description:	The human TREM2 kit is a sandwich ELISA. The capture antibody is a mouse monoclonal TREM2 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known TREM2 concentration are added to these wells and allowed to complex with the bound TREM2 antibody. A biotinylated goat polyclonal TREM2 antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of TREM2 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human TREM2 in samples such as sera, plasma (heparin, EDTA), and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.
Unit size:	1 plate
Antigen:	The protein Triggering receptor expressed on myeloid cells 2 (TREM2) forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein (TYROBP). TREM2 has roles in the 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). Alternative splicing results in multiple transcript variants encoding isoforms with differing subcellular locations.
Other Names:	Triggering receptor expressed on myeloid cells 2; TREM-2; Triggering receptor expressed on monocytes 2; TREM2
Accession:	Q9NZC2 TREM2_HUMAN
Produced in:	The standard and immunogen for this kit is recombinant TREM2 protein produced in and purified from an E.coli expression system using immunogen sequence H19-E167.
Applications:	ELISA. The purpose of this kit is the in-vitro quantitative determination of human TREM2 in samples such as sera, plasma (heparin, EDTA), and cell culture supernates.
Specificity:	Human
Cross-reactivity:	Does not cross-react with other relevant proteins
Storage:	Store at 2-8C
Expiry Date:	6 months after purchase if unopened
Kit components:	The ELISA kit box contains 1 x 96-well pre-coated strip plate, protein standards, detection reagents, substrate buffer and detailed protocols.
Range:	31.2 - 2,000 pg/mL
Sensitivity:	< 10 pg/mL

FOR RESEARCH USE ONLY

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This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

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