

TREM-1 Protein, Human (180a.a, HEK293, His)

Cat. No.:	HY-P71380
Synonyms:	Triggering Receptor Expressed on Myeloid Cells 1; TREM-1; Triggering Receptor Expressed on Monocytes 1; CD354; TREM1
Species:	Human
Source:	HEK293
Accession:	Q9NP99 (A21-R200)
Gene ID:	54210
Molecular Weight:	26-40 kDa

PROPERTIES

AA Sequence	<p>A T K L T E E K Y E L K E G Q T L D V K C D Y T L E K F A S S Q K A W Q I I R D</p> <p>G E M P K T L A C T E R P S K N S H P V Q V G R I I L E D Y H D H G L L R V R M</p> <p>V N L Q V E D S G L Y Q C V I Y Q P P K E P H M L F D R I R L V V T K G F S G T</p> <p>P G S N E N S T Q N V Y K I P P T T T K A L C P L Y T S P R T V T Q A P P K S T</p> <p>A D V S T P D S E I N L T N V T D I I R</p>
Biological Activity	Measured by its ability to block anti-TREM-1-induced TNF-alpha secretion by human myeloid leukemia mononuclear cells. At 1 µg/mL, Recombinant Human TREM-1 is able to block is 63% of Anti-Human TREM-1 (20 µg/mL, 200 µL/well) induced TNF-alpha released from 1 x 10 ⁵ cells.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2 or PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TREM-1 protein, as a cell surface receptor, potentially participates in innate and adaptive immune responses. Following phosphorylation, it interacts with PTPN6 and PTPN11, indicating its role in signaling pathways linked to these phosphatases. This interaction highlights the regulatory mechanisms TREM-1 may contribute to in modulating the immune
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system.

Caution: Product has not been fully validated for medical applications. For research use only.

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