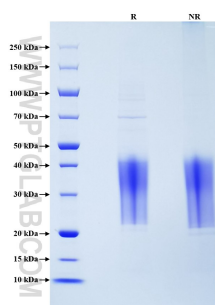


Recombinant Mouse TREM-1/CD354 protein (His Tag)

Catalog Number: Eg0874

| Basic Information | Species: Mouse | Purity: >90 %, SDS-PAGE | Tag: His Tag |
|--------------------------|---|----------------------------|-----------------|
| Technical Specifications | <p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse TREM-1 protein Ala21-Ser202 (Accession# Q9JKE2) with a His tag at the C-terminus.</p> <p>GeneID: 58217</p> <p>Accession: Q9JKE2</p> <p>Predicted Molecular Mass: 21.2 kDa</p> <p>SDS-PAGE: 22-45 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p> | | |
| Biological Activity | Not tested | | |
| Storage and Shipping | <p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p> | | |
| Reconstitution | Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water. | | |
| Background | <p>Triggering receptor expressed on myeloid cells 1 (TREM1, also known as CD354) is a member of the immunoglobulin superfamily, which is expressed on neutrophils and monocytes. TREM1 plays a role in the innate immune system. TREM1 amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. TREM1 can also exist as a soluble form (sTREM1). Increased plasma level of sTREM1 have been reported in specific diseases including Alzheimer's disease, systemic sepsis, acute myocardial infarction and subarachnoid hemorrhage.</p> | | |
| References | <ol style="list-style-type: none"> 1. Bouchon A, et al. (2000). J Immunol. 15;164(10): 4991-5. 2. Gibot S, et al. (2004). Ann Intern Med. 141(1):9-15. 3. Palazzo SJ, et al. (2012). Dimens Crit Care Nurs. 31(1):1-6. 4. Jiang T, et al. (2019). Aging Clin Exp Res. 31(12):1801-1805. | | |
| Synonyms | Trem1, CD354, TREM 1, TREM-1 | | |

Selected Validation Data



Purity of Recombinant Mouse TREM-1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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