For Research Use Only

Mouse Trem2 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number:88658-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
88658-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG10946

GenBank Accession Number:
NM_031254.4

GeneID (NCBI):
83433

UNIPROT ID:
Q99NH8-1

Full Name:
triggering receptor expressed on myeloid cells 2

Calculated MW:
25 kDa

Observed MW:
27 kDa, 30 kDa

Purification Method:
Protein A purification

CloneNo.:
261295D5

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
mouse

Product Information

88658-1-PBS targets Trem2 as part of a matched antibody pair:

MP03622-1: 88658-1-PBS capture and 88658-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

Trem2 (triggering receptor expressed on myeloid cells 2), a trigger receptor 2 expressed by myeloid cells, is an important immunoregulatory receptor, mainly expressed on the surface of myeloid cells such as macrophages and microglia, and plays a key role in maintaining immune homeostasis, regulating inflammation and the occurrence and development of various diseases. Trem2 is highly expressed in tumor-associated macrophages (TAMs), which plays a role in promoting tumor by inhibiting anti-tumor immunity and promoting tumor angiogenesis, thus becoming a potential target of tumor immunotherapy. The protein has glycosylation modification.

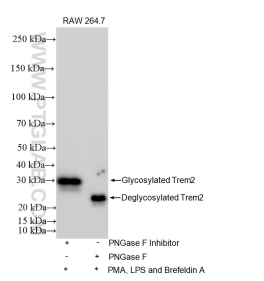
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

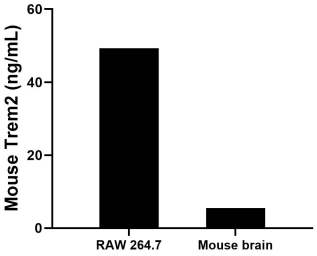
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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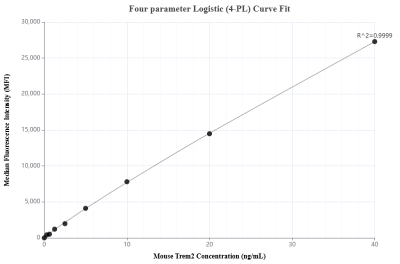
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88658-1-RR (Trem2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88658-1-PBS in a different storage buffer formulation.



The mean Trem2 concentration was determined to be 49.3 ng/mL in RAW 264.7 cell extract based on a 1.2 mg/mL extract load, 5.5 ng/mL in mouse brain tissue extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03622-1, MOUSE Trem2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88658-1-PBS. Detection antibody: 88658-2-PBS. Standard: Eg10946. Range: 0.312-40 ng/mL.