

DESCRIPTION

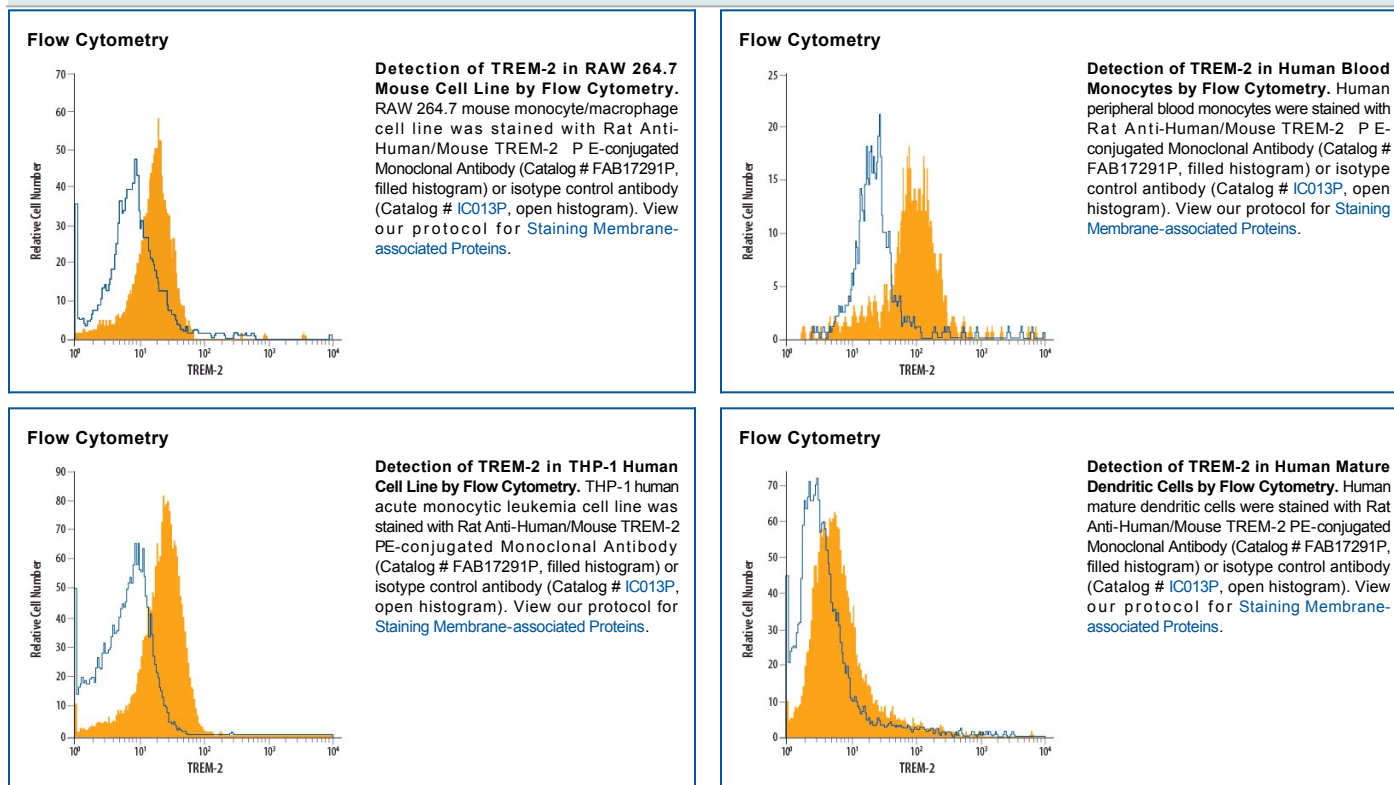
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse TREM-2 in direct ELISAs and Western blots. Stains TREM-2 transfectants but not TREM-1 transfectants.
Source	Monoclonal Rat IgG _{2B} Clone # 237920
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse TREM-2 extracellular domain Accession # Q99NH8
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

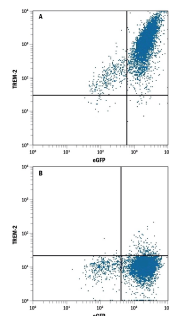
Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10 ⁶ cells	See Below

DATA



Flow Cytometry



Detection of TREM-2 in HEK293 Human Cell Line Transfected with eGFP and either Human TREM-2 or Human TREM-1 by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with eGFP and either (A) human TREM-2 or (B) human TREM-1 was stained with Rat Anti-Human/Mouse TREM-2 PE-conjugated Monoclonal Antibody (Catalog # FAB17291P). Quadrant markers were set based on control antibody staining (Catalog # IC013P). View our protocol for [Staining Membrane-associated Proteins](#).

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

TREM-2 is a single Ig domain receptor expressed by cells of myeloid lineage. Two closely related transcripts were reported in mouse and designated TREM-2a and TREM-2b. TREM-2b is a pattern recognition receptor that binds anionic ligands. TREM-2 associates with the adapter protein DAP12 to deliver an activating signal that plays a role in both innate and adaptive immune responses.