

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRIM in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 488806
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TRIM Thr50-Asn186 Accession # Q6PIZ9
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL 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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human blood-derived CD3 ⁺ lymphocytes fixed with paraformaldehyde and permeabilized with saponin

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Human TRIM (T cell receptor-interacting molecule) (also trat1, T cell receptor-associated transmembrane adaptor 1, and pp29/30) is a 30 kDa, type III transmembrane protein, that is a member of the transmembrane adaptor protein (TRAP) family. It contains a short, 8 aa extracellular region, a 19 aa transmembrane region, and a 159 aa cytosolic tail. Its cytoplasmic tail contains several tyrosine motifs with the potential to bind to Src-homology 2 (SH2) domains of signaling proteins. TRIM is present in T cells and NK cells. Human TRIM shares 66% aa sequence identity with mouse TRIM.

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