

# Product Data Sheet

## Purified anti-TRIM

**Catalog # / Size:** 627202 / 100 µg

**Clone:** TRIM-4

**Isotype:** Mouse IgG2a, κ

**Immunogen:** Partial recombinant human TRIM (amino acids 29-186)

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** Upon receipt, store undiluted at 4°C.

## Applications:

**Applications:** WB - *Quality tested*  
 IF, ICFC - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: intracellular flow cytometry<sup>1</sup>, ELISA<sup>1</sup>, and immunofluorescence microscopy<sup>2</sup>.

**Application References:** 1. Huynh T, *et al.* 2001. *Scand. J. Immunol.* 54:146.  
 2. Kirchgessner H, *et al.* 2001. *J. Exp. Med.* 193:1269.

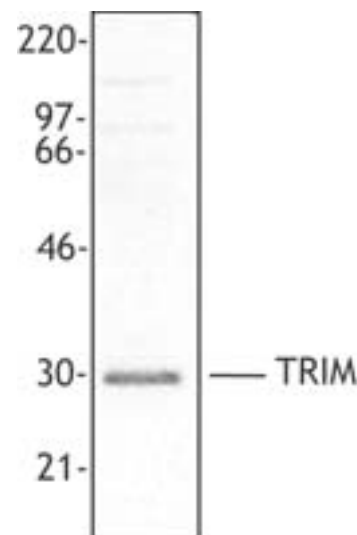
**Description:** TRIM is a 30 kD disulfide-linked protein also known as T cell receptor interacting molecule. TRIM is a type III membrane protein containing a very short extracellular domain (8 amino acids). TRIM is highly expressed in T cells with some expression also observed in NK cells. TRIM is a signaling adaptor molecule that links extracellular and intracellular signaling. The TRIM protein is phosphorylated by Src kinases and associates with the PI3K regulatory subunit α after phosphorylation. TRIM has also been shown to associate with TCRα,β, and γ. The TRIM-4 monoclonal antibody recognizes human TRIM and has been shown to be useful for Western blotting, intracellular staining by flow cytometry, and immunofluorescence staining.

**Antigen References:** 1. Bruyns E, *et al.* 1998. *J. Exp. Med.* 188:561.  
 2. Hubener C, *et al.* 2000. *Immunogenetics* 51:154.

**Related Products:** **Product**  
 HRP Goat anti-mouse IgG (minimal x-reactivity)  
 Purified Mouse IgG2a, κ Isotype Ctrl

**Clone**  
 Poly4053  
 MOPC-173

**Application**  
 ELISA, IHC, WB  
 FC, ICC, IF, IHC, IP, WB



Extracts from peripheral blood mononuclear cells were resolved by electrophoresis, transferred to nitrocellulose, and probed with mouse monoclonal antibody against TRIM. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



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