TECHNICAL DATA SHEET

CyFlow™ TRIM Purified
Anti-Hu; Clone TRIM-04

REF **AL906409**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	TRIM
Alternative Names	—
Clone	TRIM-04
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	Mouse
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Recombinant intracellular domain (aa 29-186) of human TRIM

Specificity

The mouse monoclonal antibody TRIM-04 recognizes TRIM (T cell receptor-interacting molecule) antigen, a 30 kDa adaptor protein expressed by T cells.

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

TRIM (T cell receptor-interacting molecule), also known as TRAT1 (T cell receptor associated transmembrane adaptor 1) is a 30 kDa protein expressed by T cells as a cystein-linked homodimer. It associates with TCR-CD3-ζ-chain complex and becomes phosphorylated by Src-family kinases. TRIM is potentially involved in negative regulation of TCR-mediated signaling, but its role remains unclear.

References

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- Huynh T, Wurch A, Bruyns E, Korinek V, Schraven B, Eichmann K: Developmentally regulated expression of the transmembrane adaptor protein trim in fetal and adult T cells. Scand J Immunol. 2001 Jul-Aug; 54(1-2):146-54. < PMID: 11439161 >
- Horejsí V, Zhang W, Schraven B: Transmembrane adaptor proteins: organizers of immunoreceptor signalling. Nat Rev Immunol. 2004 Aug; 4(8):603-16. < PMID: 15286727 >
- Simeoni L, Smida M, Posevitz V, Schraven B, Lindquist JA: Right time, right place: the organization of membrane proximal signaling. Semin Immunol. 2005 Feb; 17(1):35-49. < PMID: 15582487 >

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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