

TECHNICAL DATA SHEET

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

REF AR444845

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	TRIM
Alternative Names	—
Clone	TRIM-04
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	Mouse
Quantity [Concentration]	0.1 mg [0.1 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

The reagent is designed for Flow Cytometry analysis. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH $\approx$ 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

- Kirchgessner H, Dietrich J, Scherer J, Isomaki P, Korinek V, Hilgert I, Bruyns E, Leo A, Cope AP, Schraven B: The transmembrane adaptor protein TRIM regulates T cell receptor (TCR) expression and TCR-mediated signaling via an association with the TCR zeta chain. J Exp Med. 2001 Jun 4; 193(11):1269-84. < PMID: 11390434 >
- 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 >

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

- Tedoldi S, Paterson JC, Hansmann ML, Natkunam Y, Rudiger T, Angelisova P, Du MQ, Robertson H, Roncador G, Sanchez L, Pozzobon M, Masir N, Barry R, Pileri S, Mason DY, Marafioti T, Horejsi V: Transmembrane adaptor molecules: a new category of lymphoid-cell markers. Blood. 2006 Jan 1; 107(1):213-21. < PMID: 16160011 >

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

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