

Datasheet for ABIN2749186  
**anti-DR3/LARD antibody (PE)**[Go to Product page](#)

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## Overview

Quantity:	100 tests
Target:	DR3/LARD (TNFRSF25)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DR3/LARD antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	human DR3-Ig fusion protein
Clone:	JD3
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody JD3 recognizes an extracellular epitope of DR3 (APO-3, TNFRSF25), a transmembrane protein of TNFR superfamily expressed mainly in lymphocyte-enriched tissues.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	DR3/LARD (TNFRSF25)
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## Target Details

Alternative Name:	DR3 / TRAMP ( <a href="#">TNFRSF25 Products</a> )
Background:	TNF receptor superfamily member 25, DR3, also known as APO-3, TRAMP or TNFRSF25, is a death domain-containing receptor of TNFR family, which is expressed preferentially in peripheral blood leukocytes and in the lymphocyte-enriched tissues. Its expression has been shown to be especially up-regulated in activated T cells. DR3 participates e.g. in the removal of self-reactive T cells in the thymus. The ligand for DR3 is TL1A (TNF-like ligand 1A), which is expressed in a variety of cell types (induced by inflammatory stimuli), and can also be released as a soluble factor. The TL1A/DR3 axis has been shown to costimulate T cells to produce a wide variety of cytokines and leads to T cell differentiation towards Th1 and Th17 types., TNFRSF25, TR3, DDR3, LARD, APO-3, TRAMP, WSL-1, WSL-LR, TNFRSF12
Gene ID:	8718
UniProt:	<a href="#">Q93038</a>
Pathways:	<a href="#">Apoptosis</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

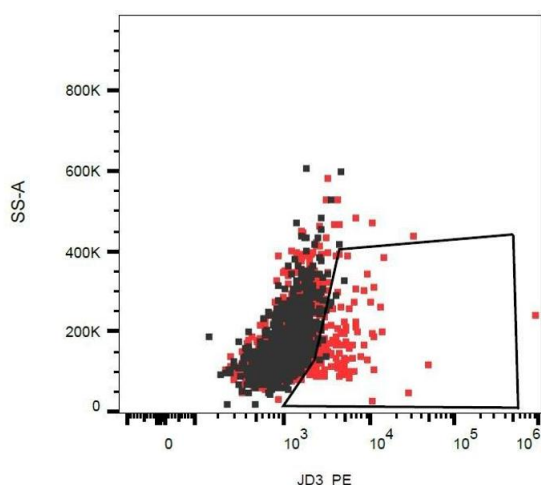
## Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

## Publications

- Product cited in: Cavallini, Lovato, Bertolaso, Pacelli, Zoratti, Zanolin, Krampera, Zamò, Tecchio, Cassatella, Pizzolo, Scupoli: "The TNF-family cytokine TL1A inhibits proliferation of human activated B cells." in: **PLoS ONE**, Vol. 8, Issue 4, pp. e60136, (2013) ([PubMed](#)).
- Jones, Stumhofer, Foster, Twohig, Hertzog, Topley, Williams, Hunter, Jenkins, Wang, Jones: "Naive and activated T cells display differential responsiveness to TL1A that affects Th17 generation, maintenance, and proliferation." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 25, Issue 1, pp. 409-19, (2011) ([PubMed](#)).
- Yi, Zhang, Schwartz-Albiez, Cao: "Mechanisms of the apoptosis induced by CD176 antibody in human leukemic cells." in: **International journal of oncology**, Vol. 38, Issue 6, pp. 1565-73, (2011) ([PubMed](#)).
- Nakayama, Ishidoh, Kayagaki, Kojima, Yamaguchi, Nakano, Kominami, Okumura, Yagita: "Multiple pathways of TWEAK-induced cell death." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 168, Issue 2, pp. 734-43, (2002) ([PubMed](#)).

## Images



### Flow Cytometry

**Image 1.** Surface staining of DR3 on DR3-transfected and non-transfected Hek293 cells using mouse monoclonal antibody JD3 PE.