

Datasheet for ABIN1981904
anti-FASL antibody (PE)



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Overview

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

Product Details

Immunogen:	L5178Y mouse T lymphoma cells expressing recombinant human CD178
Clone:	NOK-1
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody NOK-1 recognizes an extracellular epitope of CD178 / Fas-L, an approximately 40 kDa transmembrane glycoprotein expressed on neutrophils, monocytes, and activated T and NK cells.
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:	FASL
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Target Details

Alternative Name:	CD178 / Fas-L (FASL Products)
Background:	Fas ligand,CD178 / Fas-L (Fas ligand, CD95L), a member of TNF family transmembrane glycoproteins, is responsible for induction of apoptosis in cells containing its receptor CD95 / Fas. The CD178-mediated apoptosis pathway has been implicated in peripheral tolerance, tissue pathology, and maintenance of the immune privileged sites. Defects in this interaction may be related to some cases of systemic lupus erythematosus (SLE). CD178 was also described as a co-stimulatory receptor for T-cell activation in mice in vivo.,APTL, FASL, FAS-ligand, CD95L, TNFSF6, TNLG1A
Gene ID:	356
UniProt:	P48023
Pathways:	Apoptosis , EGFR Signaling Pathway , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity

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 ⁶ 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.
Handling Advice:	<p>Do not freeze. Avoid prolonged exposure to light.</p> <p>Do not use after expiration date stamped on vial label.</p> <p>Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.</p>

Handling

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

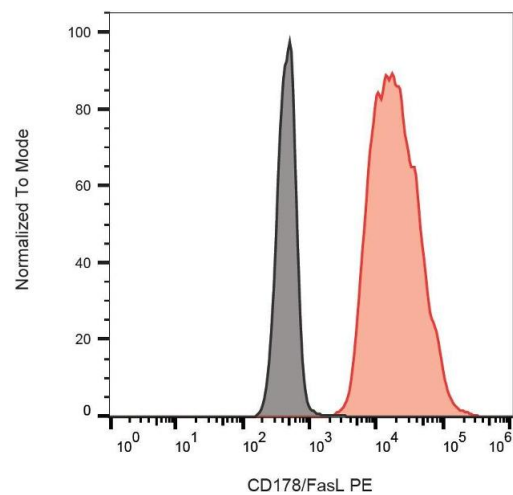
Product cited in: Ji, Chen, Braciale, Cloyd: "Apoptosis induced in HIV-1-exposed, resting CD4+ T cells subsequent to signaling through homing receptors is Fas/Fas ligand-mediated." in: **Journal of leukocyte biology**, Vol. 81, Issue 1, pp. 297-305, (2006) ([PubMed](#)).

Jodo, Pidiyar, Xiao, Furusaki, Sharma, Koike, Ju: "Fas ligand (CD178) cytoplasmic tail is a positive regulator of Fas ligand-mediated cytotoxicity." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 174, Issue 8, pp. 4470-4, (2005) ([PubMed](#)).

Chopin, Barei-Moniri, Maillé, Le Frère-Belda, Muscatelli-Groux, Merendino, Lecerf, Stoppacciaro, Velotti: "Human urinary bladder transitional cell carcinomas acquire the functional Fas ligand during tumor progression." in: **The American journal of pathology**, Vol. 162, Issue 4, pp. 1139-49, (2003) ([PubMed](#)).

Ghadimi, Sanzenbacher, Thiede, Wenzel, Jing, Plomann, Borkhardt, Kabelitz, Janssen: "Identification of interaction partners of the cytosolic polyproline region of CD95 ligand (CD178)." in: **FEBS letters**, Vol. 519, Issue 1-3, pp. 50-8, (2002) ([PubMed](#)).

Kayagaki, Kawasaki, Ebata, Ohmoto, Ikeda, Inoue, Yoshino, Okumura, Yagita: "Metalloproteinase-mediated release of human Fas ligand." in: **The Journal of experimental medicine**, Vol. 182, Issue 6, pp. 1777-83, (1996) ([PubMed](#)).



Flow Cytometry

Image 1. Surface staining of CD178 in CD178-transfected L5178Y cells with anti-CD178 (NOK-1) PE.