Datasheet for ABIN2749018

anti-FASL antibody

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Overview

Quantity:	0.1 mg
Target:	FASL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FASL antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC), Functional Studies (Func)

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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Target Details

Target:	FASL
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:	Functional application: Blocking. Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. 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).

Publications

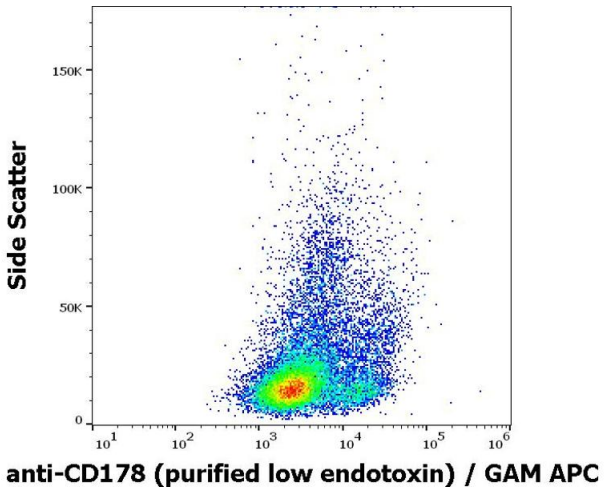
Jodo, Pidiyar, Xiao, Furusaki, Sharma, Koike, Ju: "Fas ligand (CD178) cytoplasmic tail is a positive regulator of Fas ligand-mediated cytotoxicity." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 174, Issue 8, pp. 4470-4, (2005) (PubMed).

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).

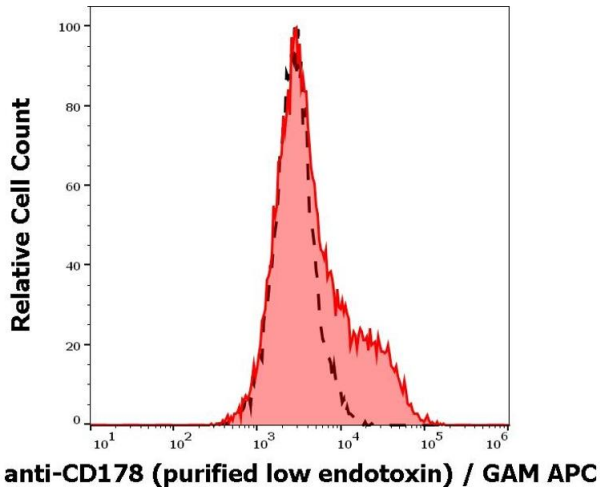
Kayagaki, Kawasaki, Ebata, Ohmoto, Ikeda, Inoue, Yoshino, Okumura, Yagita: " Metalloproteinase-mediated release of human Fas ligand." in: **The Journal of experimental medicine**, Vol. 182, Issue 6, pp. 1777-83, (1996) (PubMed).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of FasL transfected L5178Y cells stained using anti-human CD178 (NOK-1) purified antibody (low endotoxin, concentration in sample 9 µg/mL) GAM APC.



Flow Cytometry

Image 2. Separation of FasL transfected L5178Y cells stained using anti-human CD178 (NOK-1) purified antibody (low endotoxin, concentration in sample 9 µg/mL, GAM APC, red-filled) from FasL transfected L5178Y cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).