Datasheet for ABIN2749013

anti-TNFRSF1A antibody

2 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	TNFRSF1A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF1A antibody is un-conjugated
Application:	Immunoprecipitation (IP), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func)

Product Details

Purpose:	Anti-Hu CD120a Purified Low Endotoxin
Immunogen:	Recombinant full length human CD120a
Clone:	H398
Isotype:	IgG2a
Specificity:	The mouse monoclonal antibody H398 recognizes the extracellular domain of CD120a, a 55 kDa receptor for tumor necrosis factor. The antibody blocks biological activity of both natural and recombinant human TNF alpha and TNF beta.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.

Product Details

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:	TNFRSF1A
Alternative Name:	CD120a (TNFRSF1A Products)
Background:	TNF receptor superfamily member 1A,CD120a / TNF R1, also known as TNFR55 or TNFRSF1A, is a 55 kDa receptor for tumor necrosis factor alpha and it is expressed in most tissues. By binding its trimeric ligand the CD120a protein forms trimers and the conformation change leads to dissociation of the inhibitory factor SODD from its intracellular death domain and in formation of signaling platform. CD120a can mediate apoptosis, and function as a regulator of inflammation. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease.,TNF R1, TNFRSF1A, TNFR55, FPF, TBP1, p60
Gene ID:	7132
UniProt:	P19438
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, Hepatitis C, Ubiquitin Proteasome Pathway

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
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

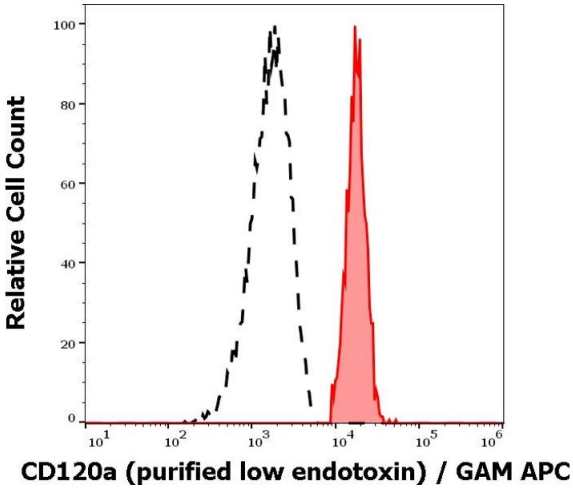
Publications

Product cited in:

Baker, Pettitt, Slupsky, Chen, Glenn, Zuzel, Cawley: "Response of hairy cells to IFN-alpha involves induction of apoptosis through autocrine TNF-alpha and protection by adhesion." in: **Blood**, Vol. 100, Issue 2, pp. 647-53, (2002) (PubMed).

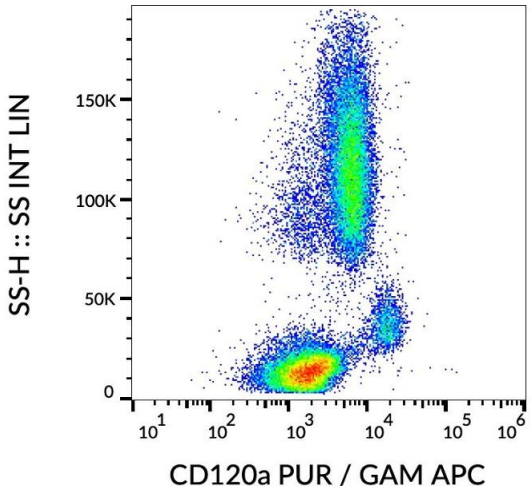
Kohrgruber, Halanek, Gröger, Winter, Rappersberger, Schmitt-Egenolf, Stingl, Maurer: "Survival, maturation, and function of CD11c- and CD11c+ peripheral blood dendritic cells are differentially regulated by cytokines." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 163, Issue 6, pp. 3250-9, (1999) (PubMed).

Images



Flow Cytometry

Image 1. Separation of human monocytes (red-filled) from CD120a negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD120a (H398) purified antibody (low endotoxin, concentration in sample 3 µg/mL) GAM APC.



Flow Cytometry

Image 2. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD120a (H398) purified antibody (low endotoxin, concentration in sample 3 µg/mL) GAM APC.