

ARG42263 anti-CD120a / TNFR1 antibody [H398] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Mouse Monoclonal antibody [H398] recognizes CD120a / TNFR1
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, IHC-Fr, IHC-P, IP
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.
Host	Mouse
Clonality	Monoclonal
Clone	H398
Isotype	IgG2a
Target Name	CD120a / TNFR1
Species	Human
Immunogen	Recombinant full length Human CD120a.
Conjugation	Un-conjugated
Alternate Names	TNF-R; p60; TNFAR; CD antigen CD120a; TNFR55; TBP1; TNF-RI; TNFR1-d2; Tumor necrosis factor receptor superfamily member 1A; FPF; TNFR60; CD120a; TNFR1; p55; TNF-R55; TNF-R-I; MS5; TNFR-I; Tumor necrosis factor receptor 1; TBP1; Tumor necrosis factor receptor type I; TNF-R1; p55-R

Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 µg/ml
	FuncSt	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	IP	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

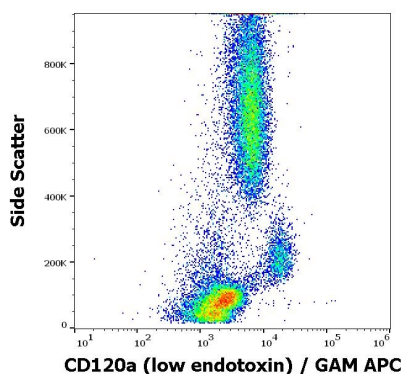
Form	Liquid
Purification	Purification with Protein A.
Purification Note	0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein.

Buffer	PBS
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

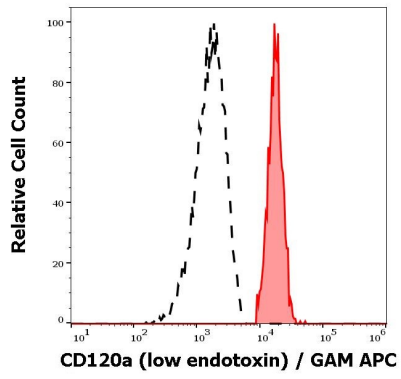
Gene Symbol	TNFRSF1A
Gene Full Name	tumor necrosis factor receptor superfamily, member 1A
Background	This gene encodes a member of the TNF receptor superfamily of proteins. The encoded receptor is found in membrane-bound and soluble forms that interact with membrane-bound and soluble forms, respectively, of its ligand, tumor necrosis factor alpha. Binding of membrane-bound tumor necrosis factor alpha to the membrane-bound receptor induces receptor trimerization and activation, which plays a role in cell survival, apoptosis, and inflammation. Proteolytic processing of the encoded receptor results in release of the soluble form of the receptor, which can interact with free tumor necrosis factor alpha to inhibit inflammation. Mutations in this gene underlie tumor necrosis factor receptor-associated periodic syndrome (TRAPS), characterized by fever, abdominal pain and other features. Mutations in this gene may also be associated with multiple sclerosis in human patients. [provided by RefSeq, Sep 2016]
Function	Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. [UniProt]
Calculated Mw	50 kDa
PTM	The soluble form is produced from the membrane form by proteolytic processing. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Secreted. Note=A secreted form is produced through proteolytic processing. Isoform 4: Secreted. Note=Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted. [UniProt]

Images



ARG42263 anti-CD120a / TNFR1 antibody [H398] (low endotoxin)
FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG42263 anti-CD120a / TNFR1 antibody [H398] (low endotoxin) at 3 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG42263 anti-CD120a / TNFR1 antibody [H398] (low endotoxin)
FACS image

Flow Cytometry: Separation of Human monocytes (red-filled) from CD120a negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG42263 anti-CD120a / TNFR1 antibody [H398] (low endotoxin) at 3 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.