

## ARG65452 anti-CD120a / TNFR1 antibody [H398]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [H398] recognizes CD120a
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, IHC-Fr, IHC-P, IP
Specificity	The clone H398 recognizes the extracellular domain of CD120a, a 55 kDa receptor for tumor necrosis factor. 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	Functional studies: Blocking. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

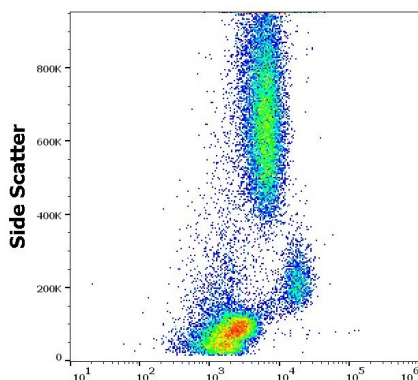
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)

Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
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

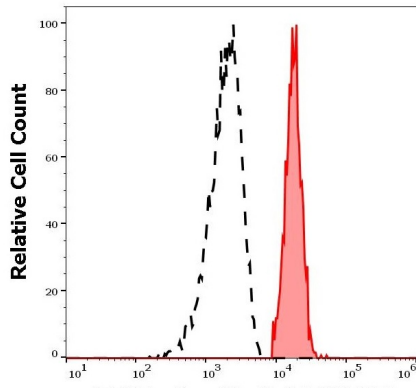
Database links	<a href="#">GeneID: 7132 Human</a> <a href="#">Swiss-port # P19438 Human</a>
Gene Symbol	TNFRSF1A
Gene Full Name	tumor necrosis factor receptor superfamily, member 1A
Background	CD120a / TNF R1, also known as TNFR55 or TNFRSF1A, is a 55 kDa receptor for tumor necrosis factor alpha and 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.
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]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	50 kDa
PTM	The soluble form is produced from the membrane form by proteolytic processing.

## Images



ARG65452 anti-CD120a / TNFR1 antibody [H398] FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG65452 anti-CD120a / TNFR1 antibody [H398] at 3 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



#### ARG65452 anti-CD120a / TNFR1 antibody [H398] FACS image

Flow Cytometry: Separation of human monocytes (red-filled) from CD120a negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG65452 anti-CD120a / TNFR1 antibody [H398] at 3 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.