EXBIO Antibodies

PRODUCT DATA SHEET

11-773-C100

Monoclonal Antibody to CD120a Purified Antibody (0.1 mg)

Clone:	H398
Isotype:	Mouse 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.
Regulatory Status:	RUO
Immunogen:	Recombinant full length human CD120a
Species Reactivity:	Human
Application:	Flow Cytometry Immunoprecipitation Immunohistochemistry (paraffin sections) Immunohistochemistry (frozen sections) Functional Application blocking
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8ºC. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
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.

For laboratory research only, not for drug, diagnostic or other use.

EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz

References:

*Baker PK, Pettitt AR, Slupsky JR, Chen HJ, Glenn MA, Zuzel M, Cawley JC: Response of hairy cells to IFN-alpha involves induction of apoptosis through autocrine TNF-alpha and protection by adhesion. Blood. 2002 Jul 15;100(2):647-53.

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