Datasheet: MCA1340T

BATCH NUMBER 153297

Description:	MOUSE ANTI HUMAN CD120a
Specificity:	CD120a
Other names:	TNF-R1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	H398
Isotype:	IgG2a
Quantity:	25 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Radioimmunoassays	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rabbit

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture

	supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified human tumour necrosis factor receptor type 1.
External Database Links	**UniProt:** P19438 Related reagents **Entrez Gene:** 7132 TNFRSF1A Related reagents
Synonyms	TNFAR, TNFR1
RRID	AB_2271880
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS0 myeloma cell line.
Specificity	**Mouse anti Human CD120a antibody, clone H398** recognizes an extracellular domain of the ~55 kDa human TNF receptor (p55, TNF-R1, CD120a). No binding occurs to the ~75 kDa TNF receptor (CD120b). CD120a is weakly expressed by monocytes and granulocytes. Mouse anti Human CD120a antibody, clone H398 may be used to detect high levels of TNFR1, in western blotting under reducing conditions, such as recombinant material, but it is not suitable for detection of TNFR1 in normal cells in this application. Mouse anti Human CD120a antibody, clone H398 inhibits the biological activity of both natural and recombinant human TNFalpha and TNFbeta (Thoma *et al.* 1990 and Dri *et al.* 1999). Mouse anti Human CD120a antibody, clone H398 is routinely tested in flow cytometry on human peripheral blood monocytes.
References	1. Thoma, B. *et al.* (1990) Identification of a 60-kD tumor necrosis factor (TNF) receptor as the major signal transducing component in TNF responses. J Exp Med. 172 (4): 1019-23. 2. Menegazzi, R. *et al.* (1994) Evidence that tumor necrosis factor alpha (TNF)-induced activation of neutrophil respiratory burst on biologic surfaces is mediated by the p55 TNF receptor. Blood. 84 (1): 287-93. 3. Dri, P. *et al.* (1999) Role of the 75-kDa TNF receptor in TNF-induced activation of neutrophil respiratory burst. J Immunol. 162 (1): 460-6.

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Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1340T 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP

Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

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