Datasheet: MCA1340T

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

RRID AB_2271880

Applications

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<th>Flow Cytometry</th>
<th>Immunohistology - Frozen</th>
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<th>ELISA</th>
<th>Immunoprecipitation</th>
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<th>Radioimmunoassays</th>
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Yes
No
Not Determined

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.

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**
TNFR, TNFR1

**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**

**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**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

### Related Products

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG IgA IgM (STAR87...)

Goat Anti Mouse IgG (STAR77...)

Rabbit Anti Mouse IgG (STAR12...)

Rabbit Anti Mouse IgG (STAR8...)

Rabbit Anti Mouse IgG (STAR13...)

Goat Anti Mouse IgG (STAR76...)

Goat Anti Mouse IgG (STAR70...)

Goat Anti Mouse IgG (Fc) (STAR120...)

Rabbit Anti Mouse IgG (STAR9...)

Human Anti Mouse IgG2a (HCA037...)

Goat Anti Mouse IgG (H/L) (STAR117...)

Goat Anti Mouse IgG (STAR8...)

Alk. Phos., HRP

HRP

RPE

DyLight®800

HRP

RPE

FITC

FITC, HRP

FITC

FITC, HRP

Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP

**Recommended Negative Controls**

MOUSE IgG2a NEGATIVE CONTROL (MCA929)