

Anti-Mouse CD120a (55R-593) In Vivo Antibody - Low Endotoxin

Bulk anti-CD120a In Vivo Antibody - Low Endotoxin (55R-593)

Product Benefits:

ichorbio's anti-CD120a In Vivo Antibody - Low Endotoxin (55R-593) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

Target:

CD120a

Clone:

55R-593

Isotype:

Armenian Hamster IgG1

Other Names:

Tumor necrosis factor receptor superfamily member 1A, Tnfrsf1a, TNF-R1, TNF-RI, p55, p60

Uniprot:

[P25118](#)

Host:

Armenian Hamster

Species Reactivity:

Mouse

Specificity:

Anti-CD120a In Vivo Antibody - Low Endotoxin (55R-593) recognizes Mouse CD120A

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Antigen Distribution:

Variety of cell types at low levels

Background:

Tumor Necrosis Factor Receptor Type I (TNFRI) is a 55kD Type I transmembrane protein. TNFRI is expressed independently of TNFRII at low levels on a wide variety of cell types. TNFRI binds TNF-A and TNF-B (also known as LT-A). The subsequent signaling is known to be important for inducing cytolytic activity, antiviral activity, expression of manganous superoxide dismutase and intercellular adhesion molecule (ICAM), IL-6 mRNA accumulation and NF- κ B induction. TNFRI carries an approximately 80 amino acid death domain near its carboxy terminus capable of transmitting an apoptotic signal through its interaction with TRADD (TNF Receptor I associated death domain protein). Binding of 55R-170 antibody to TNFRI has been shown to block in vitro and in vivo receptor signaling initiated by ligand binding.

Immunogen:

E. coli-expressed extracellular domain of the mouse TNFRI protein

Concentration:

1.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

? 1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level ? 5%

Aggregation level ? 1%

Storage:

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

Applications:

Immunoprecipitation, Western Blot

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

[Armenian Hamster IgG Isotype Control for In Vivo - Low Endotoxin \[PIP\] \(ICH2251\)](#)

Antibodies against the same target:

[Anti-CD120a In Vivo Antibody - Low Endotoxin \[55R-170\] \(ICH1094\)](#)