Anti-Mouse CD172a (P84) In Vivo Antibody - Low Endotoxin

Bulk anti-CD172a In Vivo Antibody - Low Endotoxin (P84)

Product Benefits:

ichorbio's anti-CD172a In Vivo Antibody - Low Endotoxin (P84) 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:

CD172a

Clone:

P84

Isotype:

Rat IgG1

Other Names:

Sirpa, Sirp-alpha-1, SHP substrate 1, SHPS-1, Shps1, Bit, p84, MyD-1 antigen, Myd1, Ptpns1

Uniprot:

P97797

Host:

Rat

Species Reactivity:

Mouse, Rat

Specificity:

Anti-CD172a In Vivo Antibody - Low Endotoxin (P84) recognizes an epitope on Mouse CD172a

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:

Monocytes, macrophages, myeloid cells, neuronal tissue

Background:

Signal regulatory protein alpha (SIRPalpha), also known as CD172a, is a regulatory membrane type I glycoprotein from the SIRP family expressed mainly by myeloid cells and also by stem cells or neurons.

Immunogen:

Mouse brain membrane protein

Concentration:

1.0 - 5.0 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:

Western Blot, Blocking, Flow Cytometry, IHC (Frozen), Immunoprecipitation

Application Notes:

Blocking: Reported applications in literature include: blocking SIRPalpha interaction with CD47 & in vivo blocking of dendritic cell migration. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

Rat IgG1 Isotype Control for In Vivo - Low Endotoxin [GL113] (ICH2246)

Alternative Names:

- Signal regulatory protein alpha type 1 antibody
- Bit antibody
- Brain Ig like molecule with tyrosine based activation motifs antibody
- Brain Ig-like molecule with tyrosine-based activation motifs antibody
- Brain immunoglobulin like molecule with tyrosine based activation motifs antibody
- CD172 antigen like family member A antibody
- CD172 antigen-like family member A antibody
- CD172a antibody
- CD172a antigen antibody
- Inhibitory receptor SHPS-1 antibody
- Macrophage fusion receptor antibody
- MFR antibody
- MYD 1 antibody
- Myd 1 antigen antibody
- MyD-1 antigen antibody
- p84 antibody
- Protein tyrosine phosphatase non receptor type substrate 1 antibody
- PTPNS1 antibody
- SHP substrate 1 antibody
- SHPS-1 antibody
- SHPS1 antibody
- Signal regulatory protein alpha 2 antibody
- Signal regulatory protein alpha 3 antibody
- Signal regulatory protein alpha antibody
- Signal regulatory protein alpha type 2 antibody
- Signal-regulatory protein alpha-1 antibody
- Signal-regulatory protein alpha-2 antibody
- Signal-regulatory protein alpha-3 antibody
- SIRP antibody
- Sirp-alpha-1 antibody
- Sirp-alpha-2 antibody
- Sirp-alpha-3 antibody

- SIRPA antibody
- SIRPalpha antibody
- SIRPalpha1 antibody
- SIRPalpha2 antibody
- SIRPalpha3 antibody
- Tyrosine phosphatase SHP substrate 1 antibody
- Tyrosine protein phosphatase non receptor type substrate 1 antibody
- Tyrosine-protein phosphatase non-receptor type substrate 1 antibody