

Bulk Anti-Human CD20 (2H7) Antibody

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Bio X Cell:

ICH1012 is [up to 37% cheaper](#) for industry than the equivalent products BE0276 (low endotoxin) from Bio X Cell.

Product Benefits:

ichorbio's bulk anti-human CD20 antibody (2H7) is manufactured in a cGMP compliant 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:

CD20

Clone:

2H7

Size:

ichorbio's 2H7 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg
ichorbio regularly manufactures multi-gram amounts of our anti-CD20 2H7 clone - please contact us for pricing.

Isotype:

Mouse IgG2b

Other Names:

B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1, MS4A1

Uniprot:

[P11836](#)

Host:

Mouse

Species Reactivity:

Human

Specificity:

Bulk anti-human CD20 antibody (2H7) recognizes an epitope on Human CD20

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.

Background:

The CD20 antigen, also called MS4A1, B1 and Bp35, is a non-glycosylated, transmembrane spanning, phosphoprotein. The CD20 protein is present on human pre B lymphocytes and on B lymphocytes at all stages of maturation, except on plasma cells, and is synchronous with the expression of surface IgM. It is also expressed in some follicular dendritic cells and at low levels on a T cell subset. CD20 has been shown to be heavily phosphorylated in activated B cells and malignant B cells. Homo-oligomeric complexes of CD20 are thought to form Ca²⁺ conductive ion channels in the plasma membrane of B cells. The CD20 molecule is involved in B cell activation and is associated with various Src family kinases (Lyn, Lck, Fyn), and exists in a complex with MHC class I and II, CD53, CD81, and CD82. Extensive CD20 cross-linking may also influence cell death by apoptosis. Therapy with antibodies against CD20 is a widely used regimen in the treatment of all B cell lymphomas and leukemias.

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%

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our mouse antibodies are tested for: Mycoplasma spp. Mycoplasma pulmonis Sendai virus Mouse hepatitis virus Pneumonia virus of mice Minute virus of mice Mouse parvovirus (MPV1-5) Theiler's murine encephalomyelitis virus Murine norovirus Reovirus 3 Mouse rotavirus Ectromelia virus Lymphocytic choriomeningitis virus Polyoma virus Lactate dehydrogenase-elevating virus Mouse adenovirus (MAD1, MAD2) Mouse cytomegalovirus K virus Mouse thymic virus Hantaan virus Corynebacterium bovis Corynebacterium spp. (HAC2)

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:

Flow Cytometry, CyTOF, IHC (Frozen), Immunoprecipitation

Application Notes:

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

Use:

Products are for research use only.

Isotype Control:

[Mouse IgG2b Isotype Control for In Vivo - Low Endotoxin \[MPC-11\] \(ICH2250\)](#)

Alternative Names:

- APY antibody
- ATOPY antibody
- B lymphocyte antigen CD20 antibody
- B Lymphocyte Cell Surface Antigen B1 antibody
- B-lymphocyte antigen CD20 antibody
- B-lymphocyte cell-surface antigen B1 antibody
- B-lymphocyte surface antigen B1 antibody
- B1 antibody
- Bp 35 antibody
- Bp35 antibody
- CD 20 antibody
- CD20 antibody
- CD20 antigen antibody
- CD20 receptor antibody
- CVID 5 antibody
- CVID5 antibody
- Fc epsilon receptor I beta chain antibody
- Fc Fragment of IgE high affinity I receptor for beta polypeptide antibody

- FCER1B antibody
- High affinity immunoglobulin epsilon receptor subunit beta antibody
- IgE Fc receptor subunit beta antibody
- IGEL antibody
- IGER antibody
- IGHHER antibody
- LEU 16 antibody
- Leu-16 antibody
- LEU16 antibody
- leukocyte surface antigen Leu 16 antibody
- Leukocyte surface antigen Leu-16 antibody
- Ly44 antibody
- Membrane spanning 4 domains A1 antibody
- Membrane spanning 4 domains subfamily A member 2 antibody
- membrane-spanning 4-domains A1 antibody
- Membrane-spanning 4-domains subfamily A member 1 antibody
- MGC3969 antibody
- MS4A1 antibody
- MS4A2 antibody
- S7 antibody