

Bulk Anti-Human CD2 (G11) Antibody

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Product Benefits:

ichorbio's anti-Human CD2 antibody (G11) 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:

CD2

Clone:

G11

Isotype:

Mouse IgG2a

Other Names:

Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor, T-cell surface antigen T11/Leu-5

Uniprot:

[P06729](#)

Host:

Mouse

Species Reactivity:

Human

Specificity:

Anti-Human CD2 antibody (G11) recognizes Human CD2. Anti-Human CD2 recognizes a cell surface glycoprotein (Mr 45-59 kDa) on human lymphocytes

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:

The CD2 antigen is present on approximately 80% of normal peripheral blood lymphocytes, >95% of thymocytes, 100% of mature circulating T-cells and a subset of NK cells.

Background:

Appropriate pairs of anti-CD2 antibodies will stimulate peripheral T-cell proliferation and effector function. The CD2 molecule has been shown to be the receptor for leukocyte function antigen (LFA-3/CD58), the binding of which augments T-cell activation mediated by the T-cell antigen receptor (TCR). Anti-Human CD2 can be used to deplete CD2 positive cells by complement-mediated cytotoxicity. Analyses of NK lymphocyte subsets and identification of lymphomas and leukemias of T-cell origin have been done using Anti-CD2 antibodies.

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:

Application Notes:

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

Use:

Products are for research use only.

Isotype Control:

[Mouse IgG2a In Vivo Isotype Control - Low Endotoxin \[C1.18.4\] \(ICH2245\)](#)

Alternative Names:

- A1A antibody
- A1AT antibody
- A1AT_HUMAN antibody
- AAT antibody
- Alpha 1 antiproteinase antibody
- Alpha 1 antitrypsin antibody
- Alpha 1 antitrypsin null antibody
- Alpha 1 protease inhibitor antibody
- Alpha-1 protease inhibitor antibody
- Alpha-1-antiproteinase antibody
- alpha1 proteinase inhibitor antibody
- Alpha1AT antibody
- Dom1 antibody
- PI antibody
- PI1 antibody
- PRO0684 antibody
- PRO2275 antibody
- Serine (or cysteine) proteinase inhibitor clade A member 1 antibody
- Serine protease inhibitor 1-1 antibody
- Serine protease inhibitor A1a antibody
- Serpin A1 antibody
- Serpin A1a antibody
- Serpin peptidase inhibitor clade A member 1 antibody
- Serpina1 antibody
- Short peptide from AAT antibody
- SPAAT antibody
- Spi1-1 antibody