

Anti-Hu CD52 Purified Monoclonal Antibody

Catalog Number: M03484-1

About CD52

CD52 (CAMPATH-1, HE5) is a highly glycosylated GPI-anchored 21-28 kDa glycopeptide which is present at high levels on lymphocytes, macrophages, epithelial cells of male reproductive tract and mature sperm. Its 12-amino acid backbone carries a complex N-linked carbohydrate moiety, which differs between sperm and leukocyte CD52, as well as the GPI anchor does. CD52 can be acquired by sperm cells from seminal plasma, where it is released by epithelial cells. Although CD52 is not an essential T-cell costimulator, its triggering results in activation of normal human T cells. CD52 is a very good target for antibody/complement-mediated cell lysis.

Overview

Product Name	Anti-Hu CD52 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD52 Purified Monoclonal Antibody (Catalog# M03484-1). Tested in Flow Cytometry, IHC-P application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P
Clonality	Monoclonal HI186
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P31358

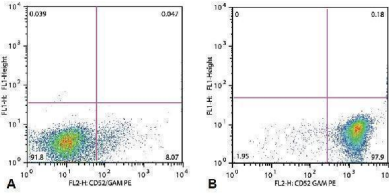
Technical Details

Immunogen	Human tonsil. The antibody HI186 reacts with CD52 (CAMPATH-1), a 21-28 kDa extracellular glycoprotein containing a large N-linked carbohydrate moiety; mature CD52 molecule is actually much smaller (approx. 8-9 kDa). CD52 is expressed at high levels on lymphocytes, monocytes/macrophages and in male reproductive tract.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

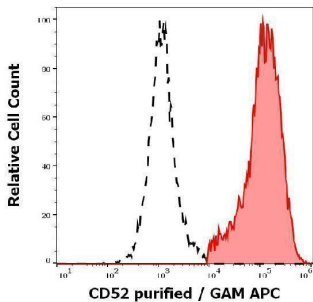
Suggested Dilutions

Flow cytometry: 2 ug/ml.

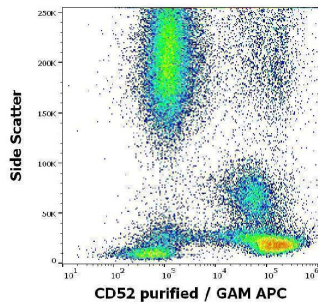
Anti-Hu CD52 Purified Monoclonal Antibody (M03484-1) Images



Flow cytometry analysis of CD52 in patients suffering with Acute Lymphoblastic Leukemia (anti-human CD52 (HI186); detection by Goat anti-mouse IgG2b PE). Fig. 1A - CD52 negative pro T ALL (gate leukemic cells) Fig. 1B - CD52 positive cALL (gate leukemic cells)



Separation of human CD52 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD52 (HI186) purified antibody (concentration in sample 4 µg/ml) GAM APC.



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD52 (HI186) purified antibody (concentration in sample 4 µg/ml) GAM APC.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Hu CD52 Purified Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.