ARG23473
anti-CD32 antibody [CCG36]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CCG36] recognizes CD32 Mouse anti Bovine CD32 antibody, clone CCG36 recognizes the bovine homologue of human CD32, one of a group of Fc receptors belonging to the immunoglobulin superfamily and involved in phagocytosis of opsonized microbes. Bovine CD32 is a single pass type 1 membrane protein of approximately 32kDa, expressed on the cell surface of most cells including B-lymphocytes, monocytes, neutrophils and afferent veiled lymph dendritic cells Chattha, K. et al. 2010. It has been shown that expression of bovine CD32 is higher on macrophages than on neutrophils. CD32 can function in an inhibitory capacity to antibody production and is the low affinity Fc receptor for IgG (FcRII), binding to the Fc region of immunoglobulin gamma Chattha et al. 2009. Clone CCG36 also recognizes ovine CD32.
Tested Reactivity	Bov, Sheep
Tested Application	FACS, IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	CCG36
Isotype	IgG1
Target Name	CD32
Species	Bovine
Immunogen	Bovine FcγRII-transfected COS7 cells.
Conjugation	Un-conjugated
Alternate Names	Fc-gamma-RIIc; Fc-gamma RII-c; CD32; CD antigen CD32; CD32B; IgG Fc receptor II-c; Low affinity immunoglobulin gamma Fc region receptor II-c; FCG2; IGFR2; FcRII-c; FCGR2; CDw32

Application Instructions

Application table

Application	Dilution
FACS	Neat - 1:10
IHC-Fr	Assay-dependent

Application Note: FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

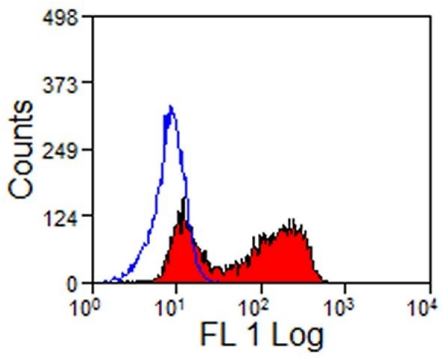
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FCGR2B
Gene Full Name	Fc fragment of IgG, low affinity IIb, receptor (CD32)
Background	The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibilty to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Function	Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. [UniProt]
Calculated Mw	36 kDa
PTM	Phosphorylated by the SRC-type Tyr-kinases LYN and BLK. [UniProt]

Images



ARG23473 anti-CD32 antibody [CCG36] FACS image

Flow Cytometry: Bovine peripheral blood lymphocytes stained with ARG23473 anti-CD32 antibody [CCG36] followed by Goat anti Mouse IgG (FITC).