abcam

Product datasheet

Anti-CD38 antibody [HIT2] (Biotin) ab23872

Overview

Product name	Anti-CD38 antibody [HIT2] (Biotin)
Description	Mouse monoclonal [HIT2] to CD38 (Biotin)
Host species	Mouse
Conjugation	Biotin
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Human foetal thymocytes.
Positive control	Terminally differentiated B cells (plasma cells) , thymocytes and T cells. Also monocytes, macrophages, dendritic cells and some epithelial cells.
General notes	Antibody concentration is 0.2mg/ml but the total protein concentration is 4 to 5 mg/ml due to the addition of highly purified BSA as a stabiliser.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	HIT2
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab23872** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		

Application notes	Flow Cyt: Use a maximum of 5µl to label 10^6 cells. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

Target

Function	Synthesizes cyclic ADP-ribose, a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.
Tissue specificity	Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.
Sequence similarities	Belongs to the ADP-ribosyl cyclase family.
Developmental stage	Preferentially expressed at both early and late stages of the B and T-cell maturation. It is also detected on erythroid and myeloid progenitors in bone marrow, where the level of surface expression was shown to decrease during differentiation of blast-forming unit E to colony-forming unit E.
Cellular localization	Membrane.
Form	There are 2 isoforms produced by alternative splicing.

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