

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 10⁶ 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.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors