

Product datasheet

Anti-CD38 antibody [90] (Biotin) ab25004

Overview

Product name	Anti-CD38 antibody [90] (Biotin)
Description	Rat monoclonal [90] to CD38 (Biotin)
Host species	Rat
Conjugation	Biotin
Tested applications	Suitable for: Flow Cyt, IHC-Fr, IP
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Affinity purified
Clonality	Monoclonal
Clone number	90
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab25004** 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		
IHC-Fr		

Application	Abreviews	Notes
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IP

Application notes

Flow Cyt: Use 1µg for 10⁶ cells.
 IHC-Fr: Use at an assay dependent dilution.
 IP: Use at an assay dependent dilution.
 Induction of B lymphocyte proliferation: Use at an assay dependent dilution.

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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