

Product datasheet

Anti-CD38 antibody [90] (Phycoerythrin) ab23308

1 References

Overview

<b>Product name</b>	Anti-CD38 antibody [90] (Phycoerythrin)
<b>Description</b>	Rat monoclonal [90] to CD38 (Phycoerythrin)
<b>Host species</b>	Rat
<b>Conjugation</b>	Phycoerythrin. Ex: 488nm, Em: 575nm
<b>Specificity</b>	This antibody recognises the murine CD38 cell surface antigen, a 42-46kD glycoprotein expressed by B lymphocytes, a proportion of peripheral T lymphocytes and by peritoneal macrophages. In the mouse CD38 is expressed by follicular B cells, is down regulated on germinal centre B cells, and not expressed by mature plasma cells. This pattern of expression contrasts strikingly with that seen in the human.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Pre-B cells derived from IL-7 dependent bone marrow cultures. (Mouse).
<b>General notes</b>	Purified IgG conjugated to R. Phycoerythrin (RPE).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: PBS, 0.5% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	90
<b>Myeloma</b>	P3x63-Ag8.653
<b>Isotype</b>	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab23308** 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
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Flow Cyt

#### Application notes

Flow Cyt: 1/Neat - 1/10 (Use 10µl for 10<sup>6</sup> cells)

Not 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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