

# PE Anti-CD38 antibody [FS02] ab1174

## 4 References

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | PE Anti-CD38 antibody [FS02]  |
| <b>Description</b>         | PE Mouse monoclonal [FS02] to CD38  |
| <b>Host species</b>        | Mouse   |
| <b>Conjugation</b>         | PE. Ex: 488nm, Em: 575nm  |
| <b>Specificity</b>         | This antibody reacts with a type II membrane glycopeptide with a transmembrane sequence near the NH2-terminus.  |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C.                           |
| <b>Storage buffer</b>       | Preservative: 0.1% Sodium azide<br>Constituent: 0.5% BSA |
| <b>Clonality</b>            | Monoclonal   |
| <b>Clone number</b>         | FS02   |
| <b>Myeloma</b>              | unknown  |
| <b>Isotype</b>              | IgG1   |
| <b>Light chain type</b>     | unknown  |

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab1174 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    |           | Use 10µl for 10 <sup>6</sup> cells.<br><b>ab91357</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.<br>HIV Syndromes and other clinical situations characterized by lymphocyte in vivoactivation in human lysed whole peripheral blood or mononuclear cells separated by density gradient. CD38 (PE) immunofluorescence analysis can be performed on a flow |

## 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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- 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

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