Product datasheet

Anti-CD47 antibody [B6H12], prediluted (FITC) ab134484

Overview

Product name: Anti-CD47 antibody [B6H12], prediluted (FITC)
Description: Mouse monoclonal [B6H12] to CD47, prediluted (FITC)
Host species: Mouse
Conjugation: FITC. Ex: 493nm, Em: 528nm
Tested applications: Suitable for: Flow Cyt
Species reactivity: Reacts with: Human
Immunogen: The details of the immunogen for this antibody are not available.
Positive control: Human PBMC cells.

Properties

Form: Prediluted
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: Preservative: 0.09% Sodium azide
Note: Contains 99% aqueous buffer. May contain carrier protein/stabilizer.
Purity: Protein G purified
Clonality: Monoclonal
Clone number: B6H12
Isotype: IgG1
Light chain type: kappa

Applications

Our Abpromise guarantee covers the use of ab134484 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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| Flow Cyt    |           | Use 5µl for $10^6$ cells.  
|             | ab106163  | Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |

**Target**

**Function**

Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus (By similarity). Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.

**Tissue specificity**

Very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain.

**Sequence similarities**

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

**Cellular localization**

Cell membrane.

**Notes**

Flow cytometric analysis of Human PBMC labelling CD47 with Mouse IgG1κ Isotype control FITC (open histogram) or ab134484 (filled histogram). Cells in the lymphocyte gate were used for analysis.

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