

# FITC Anti-CD47 antibody [B6H12], prediluted ab134484

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### Overview

<b>Product name</b>	FITC Anti-CD47 antibody [B6H12], prediluted
<b>Description</b>	FITC Mouse monoclonal [B6H12] to CD47, prediluted
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Positive control</b>	Human PBMC cells.
<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>	pH: 7.20 Preservative: 0.09% Sodium azide
<b>Purity</b>	Contains 99% aqueous buffer. May contain carrier protein/stabilizer.
<b>Clonality</b>	Protein G purified
<b>Clone number</b>	Monoclonal
<b>Isotype</b>	B6H12
<b>Light chain type</b>	IgG1
	kappa

## Applications

### The Abpromise guarantee

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.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 <sup>6</sup> cells. <b>ab106163</b> - 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.

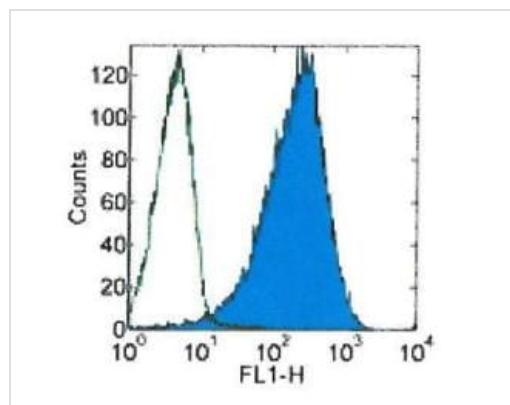
### Sequence similarities

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

### Cellular localization

Cell membrane.

## Images



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

Flow cytometric analysis of Human PBMC labelling CD47 with Mouse IgG1 $\kappa$  Isotype control FITC (open histogram) or ab134484 (filled histogram). Cells in the lymphocyte gate were used for analysis.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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