

APC Anti-CD47 antibody [OX-101] ab256293

[1 Image](#)

Overview

| | |
|----------------------------|---|
| Product name | APC Anti-CD47 antibody [OX-101] |
| Description | APC Mouse monoclonal [OX-101] to CD47 |
| Host species | Mouse |
| Conjugation | APC. Ex: 645nm, Em: 660nm |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Rat |
| Immunogen | Tissue, cells or virus corresponding to Rat CD47. Biotinylated rat (AO) thymocytes. |
| Positive control | Flow Cyt: Lewis rat splenocytes. |
| General notes | <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&As</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Store In the Dark. |
| Storage buffer | Preservative: 0.02% Sodium azide Constituents: 1% BSA, PBS |
| Purity | Protein G purified |
| Clonality | Monoclonal |
| Clone number | OX-101 |
| Isotype | IgG1 |
| Light chain type | kappa |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab256293 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 | | 1/2500. |

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.

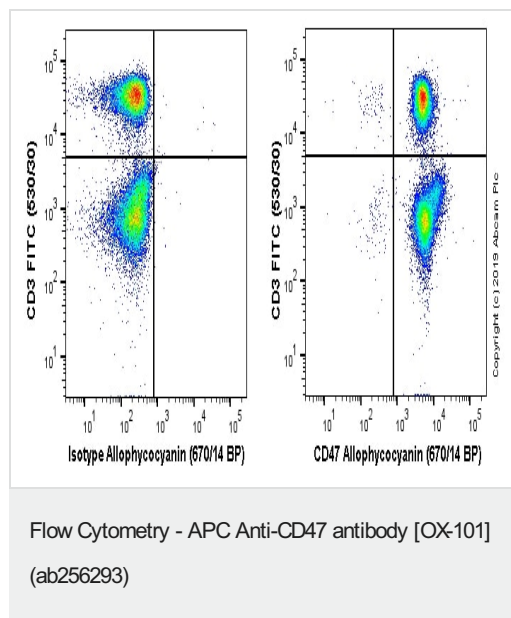
Sequence similarities

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

Cellular localization

Cell membrane.

Images



Lewis rat splenocytes stained with ab256293 (right) or mouse IgG1κ Allophycocyanin isotype (left). Lewis rat splenocytes were incubated for 30 min on ice in 1x PBS / 10 % rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab256293) or mouse IgG1κ Allophycocyanin isotype (1×10^6 in 100 μ l at 0.2 μ g/ml (1/2500)) for 30 min on ice. The cells were simultaneously stained with CD3.

Acquisition of >30,000 events were collected using a 40 mW Red laser (640nm) and 670/14 bandpass filter. Events were gated on viable lymphocytes.

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

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