

Product datasheet

Anti-Integrin alpha 2 antibody [AK7] ab30487

4 References 1 Image

Overview

Product name	Anti-Integrin alpha 2 antibody [AK7]
Description	Mouse monoclonal [AK7] to Integrin alpha 2
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IHC-Fr Unsuitable for: IHC-P
Species reactivity	Reacts with: Baboon, Cynomolgus monkey, Rhesus monkey
Immunogen	Tissue/ cell preparation (Human)
Positive control	Tonsil

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	AK7
Myeloma	NS1
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab30487** 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		1/50 - 1/100. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		1/500 - 1/1000.

Application notes Is unsuitable for IHC-P.

Target

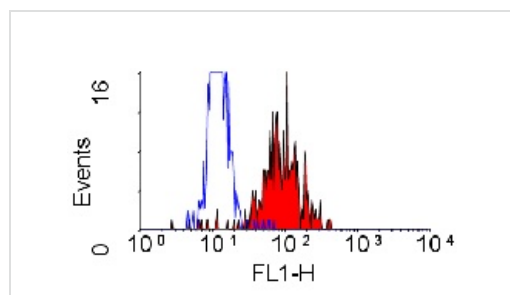
Function Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix.

Sequence similarities Belongs to the integrin alpha chain family.
Contains 7 FG-GAP repeats.
Contains 1 VWFA domain.

Domain The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.

Cellular localization Membrane.

Images



Staining of human peripheral blood monocytes with MOUSE ANTI HUMAN CD49b (ab30487).

Flow Cytometry - Anti-Integrin alpha 2 antibody
[AK7] (ab30487)

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