

## Product datasheet

# Biotin Anti-Integrin alpha 5 antibody [5H10-27] ab25189

[1 Image](#)

### Overview

<b>Product name</b>	Biotin Anti-Integrin alpha 5 antibody [5H10-27]
<b>Description</b>	Biotin Rat monoclonal [5H10-27] to Integrin alpha 5
<b>Host species</b>	Rat
<b>Conjugation</b>	Biotin
<b>Specificity</b>	ab25189 recognises alpha 5 subunit of the integrin alpha 5 beta 1 fibronectin receptor.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mouse Integrin alpha 5. C57BL/6 x A/J F1 mouse mast cell line MC/9

### General notes

The monoclonal antibody 5H10-27 reacts with the alpha 5 chain (VLA-5) of the CD49e/CD29 heterodimeric fibronectin receptor. Soluble 5H10-27 antibody inhibits VLA-5-mediated functions in vitro. Immobilized 5H10-27 has also been demonstrated to co-stimulate the proliferative response of CD8+ T cells to plate-bound anti-CD3 monoclonal antibody.

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.

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

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.1% Sodium azide

	Constituent: PBS
<b>Purity</b>	Affinity purified
<b>Primary antibody notes</b>	The monoclonal antibody 5H10-27 reacts with the alpha 5 chain (VLA-5) of the CD49e/CD29 heterodimeric fibronectin receptor. Soluble 5H10-27 antibody inhibits VLA-5-mediated functions in vitro. Immobilized 5H10-27 has also been demonstrated to co-stimulate the proliferative response of CD8+ T cells to plate-bound anti-CD3 monoclonal antibody.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	5H10-27
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

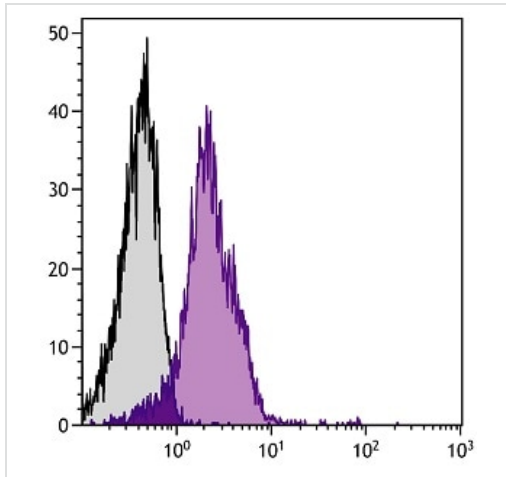
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab25189 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Flow Cyt</b>		Use 1µg for 10 <sup>6</sup> cells. <a href="#">ab18445</a> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## Target

<b>Function</b>	Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.
<b>Sequence similarities</b>	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
<b>Cellular localization</b>	Membrane.

## Images



Flow cytometry analysis staining Integrin alpha 5 in mouse bone marrow cells using ab25189 at a dilution of 1 µg/10<sup>6</sup> cells.

Flow Cytometry - Biotin Anti-Integrin alpha 5 antibody [5H10-27] (ab25189)

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

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