

## Product datasheet

# Anti-Integrin alpha 5 antibody [5H10-27 (MFR5)] ab25251

★★★★★ 2 Abreviews 9 References

### Overview

<b>Product name</b>	Anti-Integrin alpha 5 antibody [5H10-27 (MFR5)]
<b>Description</b>	Rat monoclonal [5H10-27 (MFR5)] to Integrin alpha 5
<b>Host species</b>	Rat
<b>Specificity</b>	ab25251 is specific for the alpha 5 subunit of the integrin alpha 5 beta 1 fibronectin receptor.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-Fr, Flow Cyt, Functional Studies
<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

Soluble ab25251 inhibits VLA5-mediated functions in vitro. Immobilized ab25251 has also been demonstrated to co-stimulate the proliferative response of CD8+ T cells to plate-bound antiCD3 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.
<b>Storage buffer</b>	pH: 8.20 Constituent: 100% Borate buffered saline
<b>Primary antibody notes</b>	Soluble ab25251 inhibits VLA5-mediated functions in vitro. Immobilized ab25251 has also been demonstrated to co-stimulate the proliferative response of CD8+ T cells to plate-bound antiCD3

	monoclonal antibody.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	5H10-27 (MFR5)
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab25251 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
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. Use up to 1ug/10 <sup>6</sup> cells. <b>ab18450</b> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
Functional Studies		Use at an assay dependent concentration. T-cell co-stimulation, In vitro blocking of adhesion.

## 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.

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

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