

Product datasheet

Anti-Integrin alpha 5 antibody [P1D6] ab78614

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Overview

Product name	Anti-Integrin alpha 5 antibody [P1D6]
Description	Mouse monoclonal [P1D6] to Integrin alpha 5
Host species	Mouse
Specificity	ab78614 is not reactive with the denatured Integrin alpha 5 subunit.
Tested applications	Suitable for: Dot blot, IHC-Fr, Flow Cyt, Inhibition Assay
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human Integrin alpha 5. Database link: P08648
Positive control	Flow Cyt: HeLa cells, HT-1080 cells
General notes	This product was changed from ascites to tissue culture supernatant on 21 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

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. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Purity	Tissue culture supernatant
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	P1D6
Isotype	IgG3

Applications

Our [Abpromise guarantee](#) covers the use of **ab78614** 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
Dot blot		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab91537 - Mouse monoclonal IgG3, is suitable for use as an isotype control with this antibody.
Inhibition Assay		Use at an assay dependent concentration. Suitable for use in attachment inhibition assays using fibroblasts, endothelial cells, platelets and T and B lymphocytes on fibronectin.

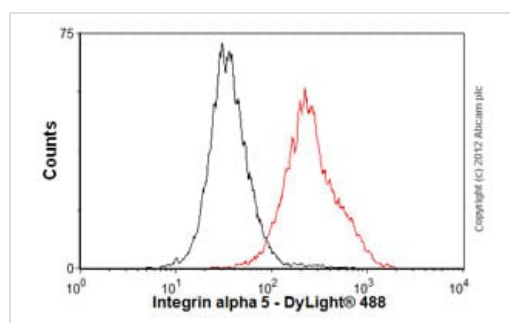
Target

Function 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.

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

Cellular localization Membrane.

Images



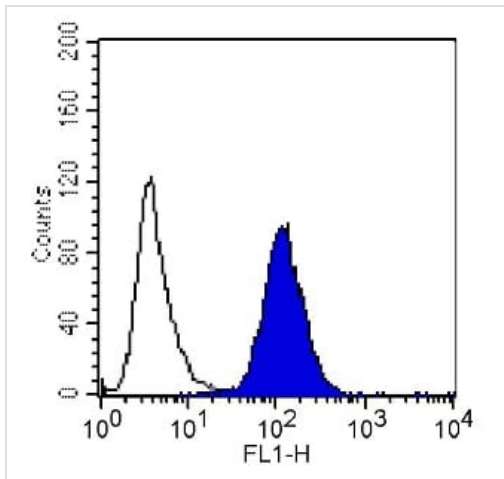
Flow Cytometry - Anti-Integrin alpha 5 antibody [P1D6] (ab78614)

Overlay histogram showing HeLa cells stained with [ab78614](#) (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine ([ab120050](#)) to block non-specific protein-protein interactions. The cells were then incubated with the antibody ([ab78614](#), 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG3 [MG3-35] ([ab18394](#), 1µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed. This antibody gave a positive result in 4% paraformaldehyde (10 min) fixed HeLa cells used under the same conditions.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-Integrin alpha 5 antibody
[P1D6] (ab78614)

Flow Cytometry Analysis: Representative lot data.

Cell surface staining of HT-1080 cells using 1 µg/mL of ab78614 (shaded histogram) and an isotype control (unshaded histogram).

Cells were detected using a mouse IgG-FITC.

This image was generated using the ascites version of the product.

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