Human Integrin β6 PE-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 437211

Catalog Number: FAB4155P

100 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β6 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 437211
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin αVβ6 Phe31-Val992 (Integrin αV) and Gly22-Asn707 (Integrin β6) Accession # P18564 (Integrin β6)
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

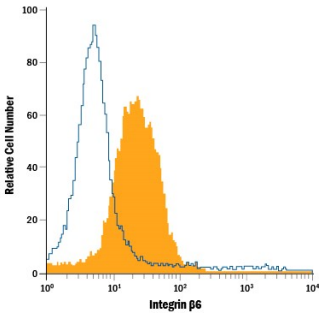
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of Integrin β6 in HT-29 Human Cell Line by Flow Cytometry. HT-29 human colon adenocarcinoma cell line was stained with Mouse Anti-Human Integrin β6 PE-conjugated Monoclonal Antibody (Catalog # FAB4155P, filled histogram) or isotype control antibody (Catalog # IC0041P, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Integrin β6 (ITGβ6) is a 95 kDa member of the Integrin beta family. It forms noncovalent heterodimers with Integrin αV and appears on epithelia following injury or inflammation. It activates TGF-β and assists keratinocyte migration. Human Integrin β6 is a type I transmembrane glycoprotein that is 767 amino acids (aa) in length. It contains a 688 aa extracellular domain (ECD) (aa 22-709) that incorporates a 241 aa VWF-A domain. Over aa 22-707, human integrin β6 ECD shares 90% and 93% aa sequence identity with mouse and pig integrin β6 ECD, respectively.

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