Human Integrin α8 PE-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 481709

Catalog Number: FAB6194P

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α8 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 481709
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Integrin α8 Glu610-Leu800 Accession # P53708
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.

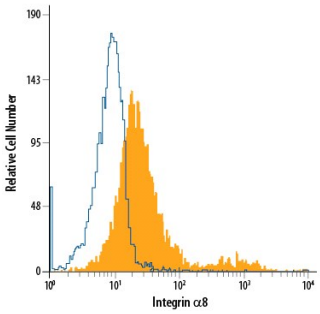
APPLICATIONS

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 α8 in H4 Human Cell Line by Flow Cytometry. H4 human neuroglioma cell line was stained with Mouse Anti-Human Integrin α8 PE-conjugated Monoclonal Antibody (Catalog # FAB6194P, 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 α8 is a 170-200 kDa member of the Integrin family of adhesion molecules. It forms an exclusive noncovalent heterodimer with Integrin β1. Integrin α8/β1 promotes both cell adhesion and survival, and is known to bind to fibronectin, LAP-TGFβ1 and Nephronectin. It is principally expressed in smooth muscle cells. Human α8 is a 1025 amino acid (aa) type I transmembrane glycoprotein. It contains a 974 aa extracellular domain (ECD) (aa 39-1012) and a 30 aa cytoplasmic domain. In the ECD, human α8 shares 90% aa sequence identity with mouse α8 protein.