Human Integrin α3/CD49c Biotinylated Antibody

Monoclonal Mouse IgG_1 Clone # IA3

Catalog Number: BAM1345

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α3/CD49c.
Source	Monoclonal Mouse IgG_1 Clone # IA3
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human milk epithelial cell line
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

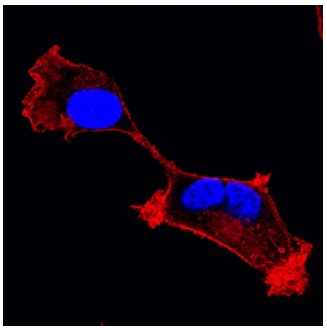
APPLICATIONS

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	0.25 µg/10^6 cells	HT1080 human fibrosarcoma cell line
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



Integrin α3/CD49c in HT1080 Human Cell Line. Integrin a3/CD49c was detected in immersion fixed HT1080 human fibrosarcoma cell line using Mouse Anti-Human Integrin a3/CD49c Biotinylated Monoclonal Antibody (Catalog # BAM1345) at 25 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Streptavidin (red; Catalog # Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to plasma membranes and cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The α3 subunit, also known as CD49c and VLA-3 α subunit, forms a non-covalent heterodimer with the Integrin β1 subunit (CD29). Integrin α3β1 is a receptor for laminin, fibronectin, collagen, epiligrin, and thrombospondin.

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