

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin α 2/CD49b in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant human Integrin α M is observed and less than 1% cross-reactivity with recombinant mouse (rm)
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Integrin α 2/CD49b Tyr27-Thr1129 Accession # Q62469
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
	*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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

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

The Integrin family proteins are heterodimeric transmembrane receptors comprised of an α and a β subunit. The Integrin α 2 subunit is expressed in monocytes, platelets, B, T and NK cells. It forms a non-covalent heterodimer with the Integrin β 1 subunit. Integrin α 2/ β 1 binds collagen and laminin and activates intracellular signaling pathways.

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