

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α 9 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Integrin α 1, 2, 2b, 3, 4, 5, 6, 6 (x1), 8, 10, 11, D, E, L, M, V, X, recombinant mouse Integrin α 7 (x2) or 9 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 560201
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Integrin α 9 Val89-Leu169 Accession # Q13797
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.

Western Blot 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

Integrin α 9 is a 150 kDa type I transmembrane glycoprotein that is widely expressed and is found on smooth muscle, keratinocytes, skeletal muscle and hepatocytes. It principally associates with the β 1 Integrin. α 9 β 1 binds to VEGF-C and D, and osteopontin. The 951 amino acid (aa) extracellular domain of mouse Integrin α 9 contains three β -propeller repeats and multiple PheGly-GlyAlaPro repeats. A potential proteolytic cleavage site in human α 9 ECD is absolutely conserved in mouse α 9 ECD (Arg 566-Val 567). The ECD of mouse Integrin α 9 shares 95% and 89% aa sequence identity to rat and human Integrin α 9, respectively.

PRODUCT SPECIFIC NOTICES

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