

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat Integrin α 8 in Western blots. In direct ELISAs and Western blots, approximately 30% cross-reactivity with recombinant human (rh) Integrin α 8 is observed, and less than 1% cross-reactivity with rhIntegrin α 5, recombinant
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin α 8 Phe38-Phe1007 Accession # A28ARA8
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.
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

Integrin alpha 8 is a 170-200 kDa member of the Integrin family of adhesion molecules. It forms an exclusive noncovalent heterodimer with Integrin β 1. α 8 β 1 promotes both cell adhesion and survival and is known to bind to fibronectin, the latency-associated peptide in latent TGF- β 1 and nephronectin. Mouse Integrin α 8 is a 1025 amino acid (aa) type I transmembrane glycoprotein. It contains a 969 aa extracellular region (aa 38-1006) and a 29 aa cytoplasmic domain. One isoform may exist that shows a truncation after Ala675 of the precursor. In the ECD, mouse Integrin α 8 shares 96% and 90% aa sequence identity with rat and human Integrin α 8 protein, respectively.

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