

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Integrin α 11 in direct ELISAs and Western blots. In direct ELISAs, does not cross-react with recombinant human Integrin α 2, α 10, α X, or α L.
Source	Monoclonal Rat IgG ₁ Clone # 396214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin α 11 Phe23-Pro1142 (Leu972Pro, Val1030 del) Accession # EAW77820
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 11 (ITGA11) is a 150 kDa transmembrane glycoprotein that associates with the Integrin β 1/CD29 chain to form a receptor for collagen I and IX. ITGA11 is most highly expressed in adult cardiac and uterine smooth muscle and developing myocytes. The extracellular region contains seven FG-GAP repeats and one VWF-C domain. Within the extracellular domain, human and mouse ITGA11 share 90% aa sequence identity.

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