

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α6/CD49f in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) Integrin α9 is observed and less than 1% cross-reactivity with rhIntegrin α2, recombinant m
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Integrin α6/CD49f Pro93-Arg148, Ile557-Arg613 Accession # P23229
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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 α6 (also VLA-6, CD49F and ITA6) is a 130-150 kDa member of the integrin α chain family of molecules. Mature Integrin α6 is a 1107 amino acid (aa) type I transmembrane glycoprotein that contains a 1027 aa extracellular region and a 93 aa cytoplasmic tail. The ECD is cleaved to generate a disulfide-linked dimer that shows a 125 kDa heavy chain (aa 24-938), and a 30-31 kDa membrane-bound light chain (aa 942-1130). Integrin α6 forms a nondisulfide-linked heterodimeric complex with both integrin beta 1 and beta 4. Each complex serves as a receptor for laminin. Splice variants exist that show either a deletion of aa 215-258 or a deletion of aa 260-298, possibly accompanied by a 29 aa substitution for aa 1084-1130. Over aa 93-148 and 518-574, human Integrin α6 shares 89% aa identity with mouse Integrin α6.

PRODUCT SPECIFIC NOTICES

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