

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β6 in the direct ELISAs and Western blots. In direct ELISAs, approximately 35% cross-reactivity with recombinant mouse Integrin β6 is observed and less than 5% cross-reactivity with recombinant human (rh)&nb
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Integrin β6 Gly22-Asn707 Accession # P18564
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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

Integrin β6 (ITGβ6) is a 95 kDa member of the Integrin beta family. It forms noncovalent heterodimers with Integrin αV and appears on epithelia following injury or inflammation. It activates TGF-β and assists keratinocyte migration. Human Integrin β6 is a type I transmembrane glycoprotein that is 767 aa in length. It contains a 688 aa extracellular domain (ECD) (aa 22-709) that incorporates a 241 aa VWF-A domain. Over aa 22-707, human integrin β6 ECD shares 90% and 93% aa sequence identity with mouse and pig integrin β6 ECD, respectively.

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