

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β 8 in direct ELISAs
Source	Recombinant Monoclonal Rabbit IgG Clone # 2723C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Chinese Hamster Ovary cell line CHO-derived human Integrin alpha V beta 8 Human Integrin α V (Phe31-Val992) and Human Integrin β 8 (Glu43-Arg684) Accession # NP_002201.1
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.

Flow Cytometry	Titration recommended for optimal concentration with starting range of 0.1-1 μ g/1 million cells. Sample used for this experiment was MG-63 human osteosarcoma cell line
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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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Integrin beta 8 (Integrin β 8) is a 90 kDa type I transmembrane glycoprotein of the Integrin family of adhesion molecules. It associates with Integrin α V to form a receptor for vitronectin, fibrin, and the latency associated peptide (LAP). Binding to LAP promotes the proteolytic release of active TGF- β from LAP. Integrin α V β 8 is required for vascular morphogenesis in the embryonic brain and yolk sac. Within the extracellular domain, human Integrin β 8 shares 87% aa sequence identity with mouse and rat Integrin β 8.

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