

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Integrin $\beta$ 8 in direct ELISAs
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 2723C
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Chinese Hamster Ovary cell line CHO-derived human Integrin $\alpha$ V $\beta$ 8 Human Integrin $\alpha$ V (Phe31-Val992) and Human Integrin $\beta$ 8 (Glu43-Arg684) Accession # NP_002201.1
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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.

<b>Flow Cytometry</b>	Titration recommended for optimal concentration with starting range of 0.1-1 $\mu$ g/1 million cells. Sample used for this experiment was MG-63 human osteosarcoma cell line
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## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

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

## PRODUCT SPECIFIC NOTICES

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