

## DESCRIPTION

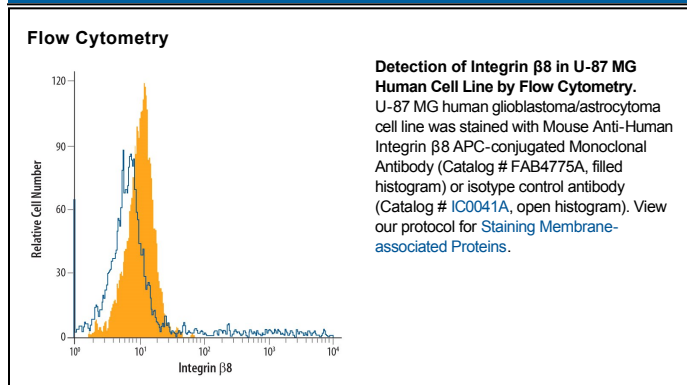
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Integrin $\beta 8$ in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human Integrins $\beta 1$ , $\beta 2$ , $\beta 3$ , $\beta 4$ , $\beta 5$ , $\beta 6$ , $\beta 7$ , or recombinant mouse Integrin $\beta 8$ is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 416922
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Integrin $\beta 8$ Glu43-Arg684 (predicted) Accession # P26012
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## 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> ● 12 months from date of receipt, 2 to 8 °C as supplied.

## 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  $\beta 8$ .