

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Integrin $\beta$ 3/CD61 in direct ELISA.
<b>Source</b>	Monoclonal Rat IgG <sub>1</sub> Clone # 909114
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin $\alpha$ 2b and Integrin $\beta$ 3 linked heterodimer Leu32-Arg988 (Integrin $\alpha$ 2b) & Glu26-Asp717 (Integrin $\beta$ 3) Accession # NP_034705 (Integrin $\alpha$ 2b) & O54890 (Integrin $\beta$ 3)
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 $\mu$ g/10 <sup>6</sup> cells	P815 mouse mastocytoma cell line

#### 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 3 (ITGB3) is also known as platelet glycoprotein IIIa (GPIIIa) and CD61. Integrins are integral cell-surface proteins known to participate in both cell adhesion and cell-surface mediated signaling. They are composed of an alpha chain and a beta chain. ITGB3 is an integrin beta chain that forms a heterodimer with alpha-IIb or alpha-V chains. It is involved in platelet aggregation, and serves as an anchor for fibrinogen, allowing platelets to form aggregates or clots. A functional absence of ITGB3 leads to Glanzmann's thrombasthenia, a condition where platelets are activated, but fail to form an aggregate. Alternatively spliced transcripts encoding different proteins have been described, in human.

#### PRODUCT SPECIFIC NOTICES

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