

DESCRIPTION

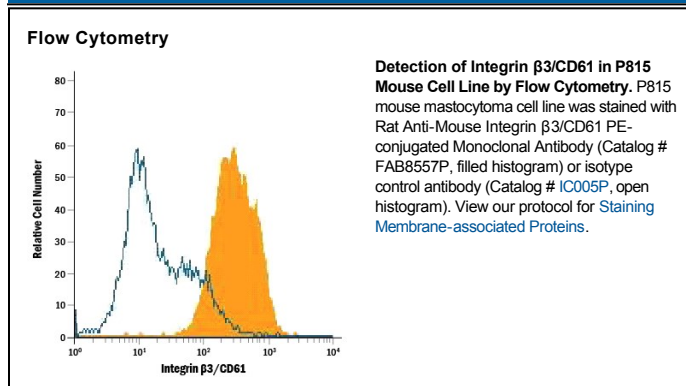
| | |
|---------------------------|--|
| Species Reactivity | Mouse |
| Specificity | Detects mouse Integrin β 3/CD61 in direct ELISA. |
| Source | Monoclonal Rat IgG ₁ Clone # 909114 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin α 2b and Integrin β 3 linked heterodimer Leu32-Arg988 (Integrin α 2b) & Glu26-Asp717 (Integrin β 3) Accession # NP_034705 (Integrin α 2b) & O54890 (Integrin β 3) |
| Conjugate | Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm |
| Formulation | Sodium Phosphate 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 |
|-----------------------|----------------------------------|-----------|
| Flow Cytometry | 10 μ L/10 ⁶ cells | See Below |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Shipping | The product is shipped at ambient temperature. 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 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.