

DESCRIPTION

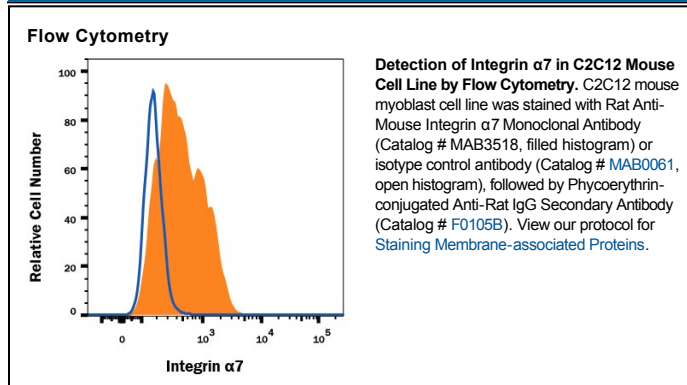
| | |
|---------------------------|---|
| Species Reactivity | Mouse |
| Specificity | Detects mouse Integrin $\alpha 7$ in direct ELISAs. Reactivity with other Integrin $\alpha 7$ isoforms was not tested. In direct ELISAs, no cross-reactivity with recombinant mouse Integrin $\alpha 2$, $\alpha 3$, $\alpha 4$, $\alpha 5$, $\alpha 9$, αE , αX , recombinant human Integrin αL , or $\alpha 11$ is observed. |
| Source | Monoclonal Rat IgG _{2B} Clone # 334908 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin $\alpha 7$ Phe34-Pro1036 Accession # NP_032424 |
| Formulation | Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS. |

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 | 0.25 μ g/10 ⁶ cells | See Below |
| CyTOF-ready | Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation. | |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

Integrin $\alpha 7$ is a transmembrane glycoprotein that forms heterodimers with Integrin $\beta 1$ to bind Laminin 1.