

DESCRIPTION

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| Species Reactivity | Mouse |
| Specificity | Detects mouse Integrin β 1 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) Integrin β 1 and rhIntegrin β 3 is observed and less than 1% cross-reactivity with recombinant mouse (rm) Integrin β 2, rmIntegrin β 4, and rmIntegrin β 6 is observed. |
| Source | Polyclonal Goat IgG |
| Purification | Antigen Affinity-purified |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin β 1 Gln21-Ala738 Accession # P09055 |
| 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. |

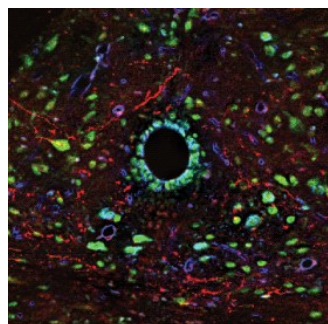
APPLICATIONS

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 |
|-----------------------------|----------------------------------|---|
| Western Blot | 0.1 μ g/mL | Recombinant Mouse Integrin β 1/CD29 |
| Flow Cytometry | 2.5 μ g/ 10^6 cells | B16-F10 mouse melanoma cell line |
| Immunohistochemistry | 5-15 μ g/mL | See Below |

DATA

Immunohistochemistry



Orexin B, p38 α , & Integrin beta 1 in Mouse Brainstem. Orexin B, p38 α , and Integrin β 1 were detected in perfusion fixed frozen sections of mouse brainstem using Human Orexin B Monoclonal Antibody (red; Catalog # MAB734), Human/Mouse/Rat p38 α Antigen Affinity-purified Polyclonal Antibody (green; Catalog # AF8691), and Mouse Integrin β 1 Antigen Affinity-purified Polyclonal Antibody (blue; Catalog # AF2405). Tissue was incubated with primary antibodies overnight at 4 °C. Tissue was stained using NorthernLights™ 493-conjugated Anti-Rabbit IgG Secondary Antibody (green; Catalog # NL006), NorthernLights 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007), and NorthernLights 637-conjugated Anti-Goat IgG Secondary Antibody (blue; Catalog # NL002). The image of Integrin beta 1 is pseudo-colored for presentation. View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

PREPARATION AND STORAGE

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| Reconstitution | Reconstitute at 0.2 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

The Integrin β 1 subunit, also known as CD29, associates with multiple distinct Integrin α subunits. The Integrin β 1 subunit has a broad tissue distribution with the exception of erythrocytes.