

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin β 7 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant mouse (rm) Integrin β 1, rmIntegrin β 2, recombinant human Integrin β 3, 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 7 Glu20-His722 Accession # P26011
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 7
Flow Cytometry	2.5 μ g/ 10^6 cells	Mouse lymph node single-cell suspension

PREPARATION AND STORAGE

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

Integrin β 7 is a 130 kDa type I transmembrane glycoprotein that belongs to the integrin beta chain family. It heterodimerizes with either Integrin α 4 or α E. Whereas, Integrin α E β 7 is a receptor for E-Cadherin, Integrin α 4/ β 7 is a receptor for fibronectin, MAdCAM 1 and VCAM1. The extracellular domain of mouse Integrin β 7 shares 94% and 87% amino acid sequence identity with that of rat and human Integrin β 7, respectively.