

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin β 7 extracellular domain in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 332408
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin β 7 Glu20-His722 Accession # P26011
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
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 either lyophilized or 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.

Adhesion Activation	The adhesion of TK-1 mouse T cell lymphoma cells (5×10^4 cells/well, treated with 1 mM MnCl ₂) to immobilized Recombinant Mouse MAdCAM-1 Fc Chimera (Catalog # 993-MC, 1 μ g/well, 100 μ L/well) was maximally enhanced (2-2.5 fold) by 10 μ g/mL of the antibody.
----------------------------	--

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 β 7 associates with the integrin α 4 or α E subunits to form heterodimers to interact with fibronectin, VCAM, MAdCAM or E-Cadherin. It is highly expressed in leukocytes and is involved in localization of leukocytes at mucosal sites.