

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β 1/CD29 in direct ELISAs. In a sandwich immunoassay, this antibody detects the human Integrin α 4 β 1 heterodimer when used with the suggested capture antibody, Mouse Anti-Human Integrin α 4 (Catalog # MAB13541).
Source	Monoclonal Mouse IgG _{2B} Clone # 419119
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin β 1/CD29 Gln21-Asp728 (predicted) Accession # P05556
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.

ELISA	This antibody functions as an ELISA detection antibody for the human Integrin α 4 β 1 heterodimer when paired with Mouse Anti-Human Integrin α 4/CD49d Monoclonal Antibody (Catalog # MAB13541). <i>This product is intended for assay development on various assay platforms requiring antibody pairs.</i>
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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

The Integrin β 1 subunit, also known as VLA- β chain or CD29, associates with at least ten different Integrin α subunits. Within aa 21-728, human Integrin β 1 subunit is 94% aa identical to pig and sheep Integrin β 1 subunits.