

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α 4/CD49d in direct ELISA. In a sandwich immunoassay, this antibody detects the human Integrin α 4 β 1 heterodimer when used with the suggested detection antibody, Mouse Anti-Human Integrin β 1 (Catalog # MAB17784).
Source	Monoclonal Mouse IgG ₁ Clone # 599904
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin α 4/CD49d Tyr34-Gln970 (Arg591Leu & Arg878Gln) Accession # P13612
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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 Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The α 4 subunit, also known as CD49d and VLA-4 α subunit, forms heterodimers with Integrin β 1 (CD29) or β 7. Integrins α 4 β 1 and α 4 β 7 are receptors for fibronectin and VCAM. Integrin α 4 β 1 also binds the mucosal addressin cell adhesion molecule (MAdCAM-1).

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