

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α V β 5. Recognizes the human Integrin α V β 5 heterodimer and does not recognize the α V subunit in association with any other β subunits.
Source	Monoclonal Mouse IgG ₁ Clone # P5H9
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HT1080 human fibrosarcoma cell line
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 μ g/10 ⁶ cells	MCF-7 human breast cancer cell line

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Integrins are heterodimeric receptors comprised of an α and a β subunit. Integrin α V (CD51) associates with several different β subunits, but Integrin β 5 associates exclusively with the α V subunit. Integrin α V β 5, also known as Integrin α V β S and Integrin α V β 3B, is a transmembrane heterodimeric protein that functions as a receptor for Vitronectin. It is expressed on hepatoma cells, fibroblasts and carcinoma cells.

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