

Product datasheet for **TA320378**

Itga5 Hamster Monoclonal Antibody [Clone ID: eBioHMa5-1 (HMa5-1)]

Product data:

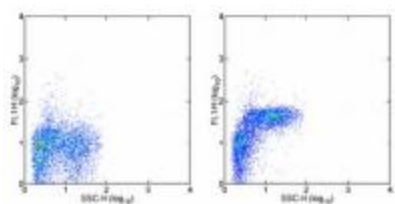
Product Type:	Primary Antibodies
Clone Name:	eBioHMa5-1 (HMa5-1)
Applications:	FC
Recommended Dilution:	Flow, Functional Assay, IP
Reactivity:	Mouse, Rat
Host:	Hamster
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	integrin alpha 5 (fibronectin receptor alpha)
Database Link:	NP_034707 Entrez Gene 315346 RatEntrez Gene 16402 Mouse P11688

Background: The eBioHMa5-1 monoclonal antibody reacts with mouse and rat CD49e, also known as integrin α 5 or VLA-5A. CD49e is a member of the integrin α chain family, and binds with CD29 (integrin β 1) to form the receptor VLA-5, which binds the ligands fibronectin and fibrinogen. CD49e is a type I, single-pass membrane protein, with a molecular weight of 135 kDa, and is expressed on multiple cell types including thymocytes, mast cells, activated T cells and splenic B cells. In addition to its role in adhesion, VLA-5 contributes to T-cell co-stimulation. The eBioHMa5-1 monoclonal antibody has been demonstrated to interfere with VLA-5-mediated cell adhesion, and with the degranulation of IgE-sensitized rat RBL cells stimulated on fibronectin-coated plates. Furthermore, HMa5-1 injected into mice subcutaneously, along with anti-CD49d and anti-CD61, is able to inhibit passive cutaneous anaphylaxis.

Synonyms: CD49e; FNRA; VLA-5; VLA5A



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Product images:

Staining of C57Bl/6 bone marrow cells with 0.5 ug of Armenian Hamster IgG Isotype Control Purified (left) or 0.5 ug of Anti-Mouse/Rat CD49e (Integrin alpha 5) Purified (right) followed by Anti-Armenian Hamster IgG FITC. Total viable cells were used for analysis.