

Product datasheet

anti-CD11c mouse monoclonal, EBS-CD-011, purified

Short overview

Cat. No.	691561
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CD-011
Immunogen	Human macrophages
Formulation	PBS with 0.02% sodium azide
UniprotID	P20702 (Human)
Synonym	Integrin alpha-X, CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p150,95 alpha chain, Leukocyte adhesion receptor p150,95, CD antigen CD11c, ITGAX, CD11C
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

Integrin alpha-X (CD11c, leukocyte surface antigen p150/95, CR4, Axb2) is a type 1 transmembrane protein that traditionally combines with beta-2 chain to form a leukocyte-specific integrin known as inactivated-C3b (iC3b) receptor 4 (CR4). Integrin alpha-X/beta-2 shares similar properties of the integrin alpha-M/beta-2 in mediating adherence of neutrophils and monocytes to stimulated endothelial cells and in phagocytosis of complement coated particles. Abnormal expression of integrin alpha-X is characteristic of hairy cell leukemia (HCL) and is dependent upon activation of proto-oncogenes Ras and JunD. Integrin alpha-X is present on dendritic cells, macrophages and NK-cells. Upon activation, DCs present in skin (Langerhans cells, lining of nose, lung, stomach, intestine and blood can migrate to lymphoid tissues and interact with T- and B-cells to initiate and shape the immune response.

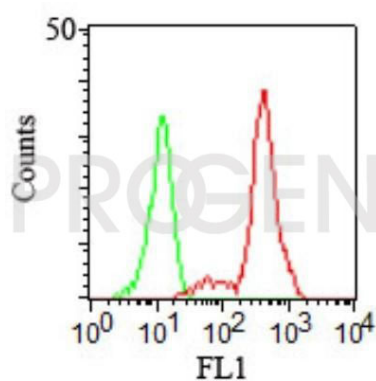
Positive control: human dendritic cells. Human lymph node and tonsil.

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Product images



FACS with human PBMC