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10-7566: Monoclonal Antibody to CD11c (Clone: ABM4C58)

Clonality :	Monoclonal
Clone Name :	ABM4C58
Application :	IHC,FACS
Reactivity :	Human
Gene :	ITGAX
Gene ID :	3687
Uniprot ID :	P20702
Format :	Purified
Alternative Name :	ITGAX,CD11C
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	A partial length recombinant CD11c protein (amino acids 620-835) was used as the immunogen for this antibody.

Description

CD11c/CD18 (p150/95, or complement receptor 4, CR4) is a monocyte/macrophage-enriched integrin that has been reported to bind to a variety of ligands. These include cell surface proteins (LPS, ICAM-1, ICAM-2, ICAM-4 and VCAM-1), extracellular matrix proteins (collagen I), and soluble ligands (iC3b, heparin and fibrinogen). It is expressed in macrophages, monocytes, granulocytes, subsets of T and B cells, and dendritic cells. CD11c functions as a cell surface receptor for numerous soluble factors and proteins. The interaction mediates leukocyte interactions with other cell types and is a signal transducing receptor. It is found primarily on myeloid cells, where its expression is regulated both during differentiation and during monocyte maturation into tissue macrophages.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 5-10 µg/ml

FACS: 0.5 - 1 µg/10^6 cells

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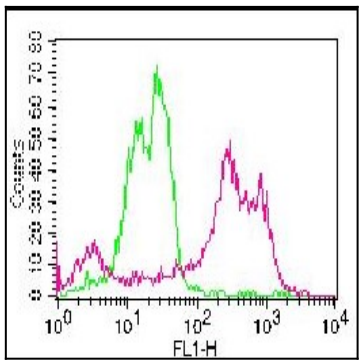


Fig-1: Cell surface flow analysis of hCD11C on human PBMCs using 1 µg/ 10^6 cells. Green represents isotype control (ABEOMICS); red represents anti-hCD11C antibody (10-7566). Goat anti-mouse FITC conjugated secondary antibody (ABEOMICS) was used. (Cells were incubated with primary antibody for 30 min. then washed twice with FLOW Staining buffer (ABEOMICS) by centrifuging at 1000 rpm for 5 min, followed by 30 min incubation with conjugated secondary antibody. Data acquisition was done after washing twice with FLOW staining buffer).

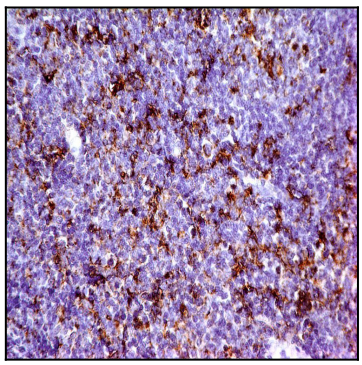


Fig.2: Immunohistochemical analysis of CD11c in human Tonsil tissue using CD11c antibody (Clone: ABM4C58) at 5 µg/ml.

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