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Anti-CD11c Rabbit mAb [71H15]

Catalog No.: A52048

Basic Information

Catalog No. (Cat.No.)	A52048
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IP,IF,ELISA
Synonyms	CD11c,CR4α,αX

Product Information

Target	CD11c
Molecular Weight(Calculated)	128 kDa
Molecular Weight(Observed)	145 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	71H15
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Integrin subunit alpha-X
Gene Name	*ITGAX*
Domain	NA
Background	CD11c (Integrin alpha-X, ITGAX) belongs to β2-integrin family and participates in myeloid cell adhesion and antigen-presentation-associated regulation. CD11c heterodimerizes with CD18 to form CR4 integrin complex, highly expressed on dendritic cells, and detectable on subsets of macrophages, activated NK cells and granulocytes. CR4 binds complement fragments such as iC3b to facilitate phagocytic clearance of complement-opsonized particles. CD11c is a signature marker for dendritic cell identification and subset stratification. DCs utilize CD11c for tissue residency and antigen capture to initiate adaptive immunity. In tumor immunity, CD11c-positive DCs mediate tumor antigen presentation and shape anti-tumor responses, widely adopted for immune phenotyping, inflammatory models and tumor microenvironment studies.