Synaptic Systems

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CD 11c

Cat.No. 375 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 (AP staining) **IP**: not tested yet **ICC**: not tested yet **IHC**: 1 : 500 **IHC-P/FFPE**: 1 : 500
Immunogen	Synthetic peptide corresponding to AA 1159 to 1169 from mouse CD11c (UniProt Id: Q9QXH4)
Reactivity	Reacts with: mouse (Q9QXH4). No signal: rat, human (P20702). Other species not tested yet.
Specificity	Specific for CD 11c.
matching control	375-0P

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

CD 11c or **I**n**teg**rin **a**lpha-**X** (**ITGAX**) is a heterodimeric glycoprotein consisting of an α- and β-subunit and has seven repeating integrin domains. This transmembrane receptor type I plays a pivotal role in T cell killing and mediates intercellular adhesions during inflammation. Predominat expression levels have been found in dendritic cells, monocytes, macrophages, neutrophils and a small subset of B cells. Under pathological conditions, CD 11c is a marker for hairy cell leukemia, acute non-lymphocytic leukemias, and some chronic lymphocytic leukemias.

Selected References SYSY Antibodies

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Selected General References

Myeloid blood CD11c(+) dendritic cells and monocyte-derived dendritic cells differ in their ability to stimulate T lymphocytes.
Osugi Y, Vuckovic S, Hart DN
Blood (2002) 100(8): 2858-66.

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CD11c integrin gene promoter activity during myeloid differentiation.
Córbi AL, Lopéz-Rodríguez C
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