

CD 11c

Cat.No. HS-375 003 ; Polyclonal rabbit antibody, 200 µl specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 200 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	IHC-P/FFPE: 1 : 100
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 **Integrin alpha-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. Predominant 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 General References

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- CD11c integrin gene promoter activity during myeloid differentiation. Córbi AL, Lopéz-Rodríguez C
Leukemia & lymphoma (1997) 25(5-6): 415-25.
- Identification of Sp1-binding sites in the CD11c (p150,95 alpha) and CD11a (LFA-1 alpha) integrin subunit promoters and their involvement in the tissue-specific expression of CD11c. López-Rodríguez C, Chen HM, Tenen DG, Corbí AL
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