

# Anti-CD11c (Integrin aX) [3.9]

**Catalogue number:** 151044

**Sub-type:** Primary antibody

**Images:** [https://res.cloudinary.com/ximbio/image/upload/c\\_fit/3af84e77-07c8-4cd4-894f-19dce246f36d.jpg](https://res.cloudinary.com/ximbio/image/upload/c_fit/3af84e77-07c8-4cd4-894f-19dce246f36d.jpg)

## Contributor

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## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD11c (Integrin aX) [3.9]

**Alternate name:** CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p15,95 alpha chain, Leukocyte adhesion receptor p15,95, CD antigen: CD11c

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Monoclonal antibody directed against CD11c antigen detects presence of macrophages, mononuclear phagocytes, hairy cell leukaemia cells and various activated T cells and neutrophils.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Rheumatoid synovial fluid cells and fibronectin purified human monocytes

**Immunogen UNIPROT ID:** P20702

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

Peripheral blood monocytes (PBMCs) (FACS), Uterine tissue sections (IHC)

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Integrin alpha X (CD11c; gp150/95 a subunit)

**Target alternate names:**

**Target background:** Anti-CD11c (integrin aX) was created to understand the expression of the integrin aX molecule and to look at the heterogeneity of tissue macrophages. Integrins are heterodimeric cell surface receptors composed of alpha and beta subunits, which mediate cell-cell and cell-extracellular matrix attachments. Changes in integrin expression have been shown to be important for the growth and early metastatic capacity of melanoma cells and aberrant integrin expression has been found in many epithelial tumours. Integrin alpha X is found on hairy cell leukaemia's, malignant histiocytes, on tissue macrophages, monocytes, activated neutrophils and some T-cell clones. It is a member of the LFA-1 CR3 family of human leukocyte differentiation antigens. This antibody binds to CD11c glycoprotein which helps mediate cellular adhesion and cell-matrix adhesion such as fibronectin.

**Molecular weight:** 150 kDa

**Ic50:**

## Applications

**Application:** FACS ; IHC ; IF ; IP ; Fn

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** Store at -20° C frozen. Avoid repeated freeze / thaw cycles

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Lv et al. 2018. Antiviral Res. 159:55-62. PMID: 30266338. ; Dhner et al. 2018. PLoS Pathog. 14(1):e1006823. PMID: 29304174. ; Dembowski et al. 2017. PLoS Pathog. 13(1):e1006166. PMID: 28095497. ; Chen et al. 2007. J Virol. 81(16):8742-51. PMID: 17553899. ; Chen et al. 2007. J Virol. 81(16):8742-51. PMID: 17553899. ; A mutation in the human herpes simplex virus type 1 UL52 zinc finger motif results in defective primase activity but can recruit viral polymerase and support viral replication efficiently.

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