

# CD11c Monoclonal Antibody (118/A5), eFluor™ 570, eBioscience™

Product Details	
Size	25 µg
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), eFluor™ 570, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	118/A5
Conjugate	eFluor™ 570
Excitation/Emission Max	556/569 nm
Form	Liquid
Concentration	0.2 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573632

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	1 µg/mL	-
Immunocytochemistry (ICC/IF)	1 µg/mL	-

## Product Specific Information

**Description:** The monoclonal antibody 118/A5 recognizes human CD11c, a 150 kD type I transmembrane protein which is also known as integrin alpha X. Integrins are heterodimeric integral membrane proteins made up of an alpha and a beta chain and are involved in cell adhesion. The CD11/CD18 adhesion molecules consist of three heterodimers sharing a common beta subunit (CD18) with a distinct alpha subunit (CD11a, CD11b, CD11c). The CD11c/CD18 complex is expressed on dendritic cells (highly expressed on type 1 myeloid DCs), monocytes, macrophages, granulocytes, NK cells, and subsets of T and B cells. CD11c is also expressed in hairy cell leukemias, acute nonlymphocytic leukemias, and some B-cell chronic lymphocytic leukemias. CD11c plays a role in adhesion and CTL killing through its interactions with CD54, iC3b and fibrinogen.

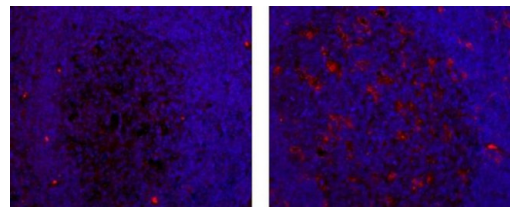
**Applications Reported:** This 118/A5 antibody has been reported for use in immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and microscopy.

**Applications Tested:** This 118/A5 antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded human tissue using low pH antigen retrieval and can be used at less than or equal to 1 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filter Recommendation:** When using this eFluor® 570 antibody conjugate, we recommend a filter that will capture the 570 emission wavelength (for example, Excitation 545/25, 565LP, Emission 605/70). A standard Alexa Fluor® 555 or TRITC filter is acceptable.

Excitation: 555 nm; Emission: 570 nm

Product Images For CD11c Monoclonal Antibody (118/A5), eFluor™ 570, eBioscience™



**CD11c Antibody (41-9761-80) in IHC (P)**  
Immunohistochemistry of formalin-fixed paraffin embedded human tonsil tissue using 1 µg/mL of Mouse IgG2b K Isotype Control eFluor® 570 (left) or 1 µg/mL of Anti-Human CD11c eFluor® 570 (right). Nuclei are stained with DAPI.

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