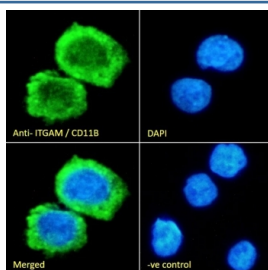


CD11b Antibody / ITGAM / Integrin alpha M (R35685)

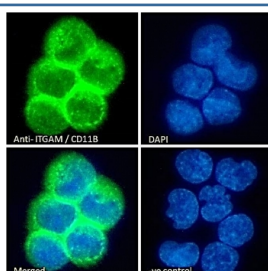
Catalog No.	Formulation	Size
R35685-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

[Bulk quote request](#)

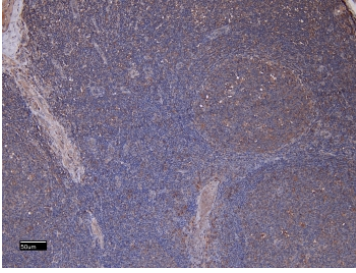
Availability	Discontinued
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	3684
Localization	Cell membrane, cytoplasm
Applications	Immunohistochemistry (FFPE) : 8ug/ml Immunofluorescence : 10ug/ml ELISA (peptide) LOD : 1:16000
Limitations	This CD11b antibody is available for research use only.



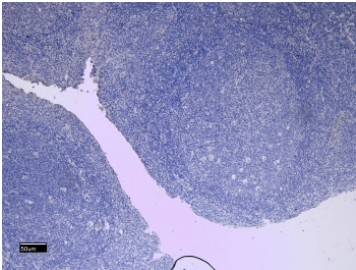
Immunofluorescent staining of fixed and permeabilized human ThP1 cells with CD11b antibody (green) at 10ug/ml and DAPI nuclear stain (blue).



Immunofluorescent staining of fixed and permeabilized human U937 cells with CD11b antibody (green) at 10ug/ml and DAPI nuclear stain (blue).



IHC staining of FFPE human tonsil tissue with CD11b antibody at 8ug/ml. Required HIER: steamed antigen retrieval with pH6 citrate buffer; HRP-staining.



Negative control: IHC staining of FFPE human tonsil tissue without primary antibody. Required HIER: steamed antigen retrieval with pH6 citrate buffer; HRP-staining.

Description

CD11b is primarily found on the surface of certain immune cells, such as macrophages and neutrophils, where it acts as a receptor for various ligands involved in the immune response. This protein is involved in several key processes, including cell adhesion, phagocytosis, and migration, all of which are essential for mounting an effective immune response against pathogens. One of the most important functions of CD11b is its role in regulating the inflammatory response. Inflammation is a natural and necessary process that helps the body fight off infections and heal wounds. However, excessive or chronic inflammation can lead to a range of health problems, including autoimmune diseases and chronic inflammatory conditions. CD11b helps to regulate the inflammatory response by controlling the recruitment and activation of immune cells at sites of inflammation. In addition to its role in inflammation, CD11b is also involved in regulating the immune response to infections. By interacting with other immune cells and signaling molecules, CD11b helps to coordinate the body's response to pathogens, ensuring that the infection is effectively cleared without causing damage to healthy tissues.

Application Notes

Optimal dilution of the CD11b antibody should be determined by the researcher.

Immunogen

Amino acids RNDGEDSYRTQ were used as the immunogen for this CD11b antibody. The amino acid sequence used as immunogen is from the extracellular portion of the protein.

Storage

Aliquot and store the CD11b antibody at -20oC.

