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ARG59698
anti-CD11c antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD11c
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD11c
Species	Human
Immunogen	Synthetic peptide derived from Human CD11c.
Conjugation	Un-conjugated
Alternate Names	CD antigen CD11c; Leu M5; CD11C; SLEB6; Integrin alpha-X; Leukocyte adhesion glycoprotein p150,95 alpha chain; Leukocyte adhesion receptor p150,95; CD11 antigen-like family member C

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200
IP	1:50
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 150 kDa

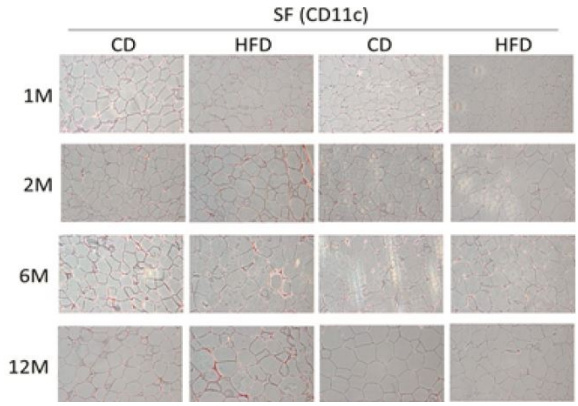
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ITGAX
Gene Full Name	integrin, alpha X (complement component 3 receptor 4 subunit)
Background	This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Function	Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis. [UniProt]
Calculated Mw	128 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

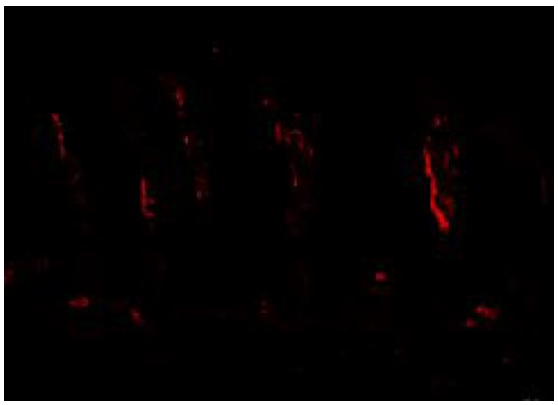
Images



ARG59698 anti-CD11c antibody IHC-P image

Immunohistochemistry: Mouse subcutaneous fat stained with ARG59698 anti-CD11c antibody.

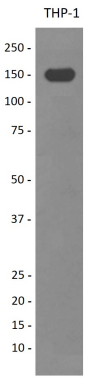
From Lin HY et al. Antioxid Redox Signal- (2020), doi: 10.1089/ars.2019.7737, Fig. S2. F.



ARG59698 anti-CD11c antibody IHC-P image

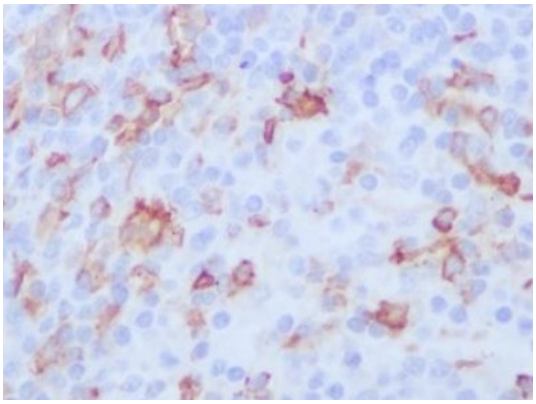
Immunohistochemistry: Mouse ileal stained with ARG59698 anti-CD11c antibody.

From Fu Y et al. Int J Mol Sci (2022), doi: 10.3390/ijms232415938, Fig. 3. F.



ARG59698 anti-CD11c antibody WB image

Western blot: THP-1 cell lysate treated with TPA and stained with ARG59698 anti-CD11c antibody.



ARG59698 anti-CD11c antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen stained with ARG59698 anti-CD11c antibody.