

CD11c Rabbit PolymAb®

Catalog No.: A28244PM

Basic Information

Observed MW

145 kDa

Calculated MW

128 kDa

Category

Primary antibody

Applications

WB, IF-P, IHC-P, mIHC, ELISA

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:5000 - 1:10000**IF/ICC** 1:200 - 1:400**IHC-P** 1:2000 - 1:8000**mIHC** 1:2000 - 1:8000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

3687

Swiss Prot

P20702

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CD11C; SLEB6

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

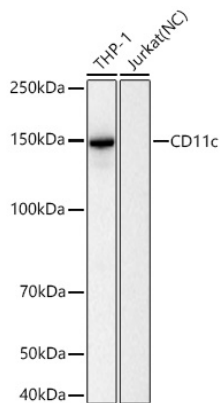
Contact

☎ | 400-999-6126

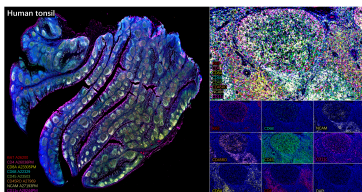
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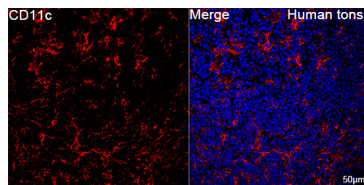
Validation Data



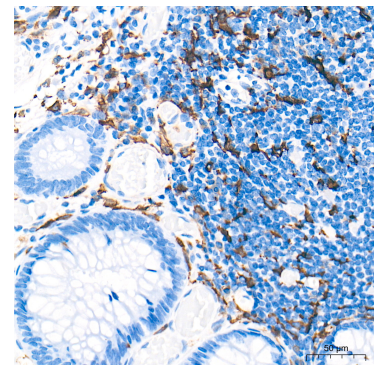
Western blot analysis of various lysates using CD11c Rabbit PolymAb® (A28244PM) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): Jurkat.
 Exposure time: 30 s.



The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Ki67 Rabbit mAb (A26200, 1:4000) with TSA-TYR-480 (Red), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-520 (Light Magenta), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-570 (Yellow), and CD68 Rabbit mAb (A22329, 1:5000) with TSA-TYR-620 (Cyan), and CD45 Rabbit mAb (A23503, 1:1000) with TSA-TYR-690 (Lime Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-570 (Orange), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Off-white), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 10x objective lens.

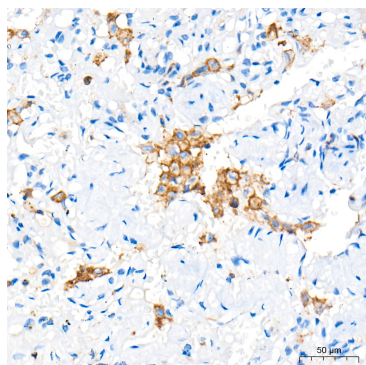


Confocal imaging of paraffin-embedded Human tonsil tissue using CD11c Rabbit PolymAb® (A28244PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

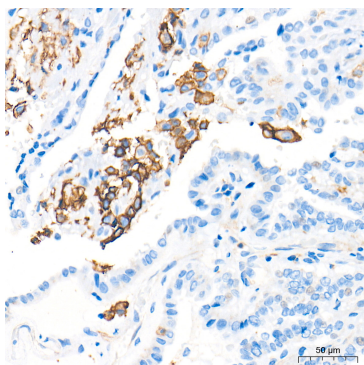


Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD11c Rabbit PolymAb® (A28244PM) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

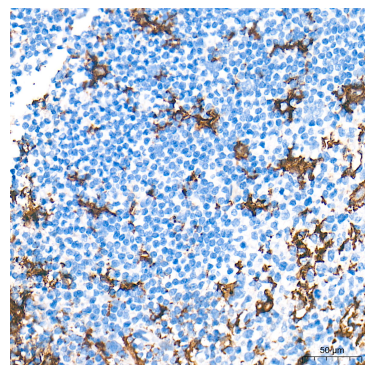
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human lung tissue using CD11c Rabbit PolymAb® (A28244PM) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using CD11c Rabbit PolymAb® (A28244PM) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD11c Rabbit PolymAb® (A28244PM) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.