

CD35/CR1 Rabbit mAb

Catalog No.: A3661

Recombinant

1 Publications

Basic Information

Observed MW

Calculated MW

224kDa

Category

Primary antibody

Applications

IF-P, IHC-P, mIHC, ELISA

Cross-Reactivity

Human

CloneNo number

ARC2065

Background

This gene is a member of the receptors of complement activation (RCA) family and is located in the 'cluster RCA' region of chromosome 1. The genome is polymorphic at this locus with allele-specific splice variants encoding different isoforms, based on the presence/absence of long homologous repeats (LHRs). The gene encodes a monomeric single-pass type I membrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. The Knops blood group system is a system of antigens located on this protein. The protein mediates cellular binding to particles and immune complexes that have activated complement. Decreases in expression of this protein and/or mutations in this gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus, sarcoidosis and Alzheimer's disease. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria.

Recommended Dilutions

IF-P 1:100 - 1:500

IHC-P 1:100 - 1:500

mIHC 1:100 - 1:500

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1378

Swiss Prot

P17927

Immunogen

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

Synonyms

KN; C3BR; C4BR; CD35; CD35/CR1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

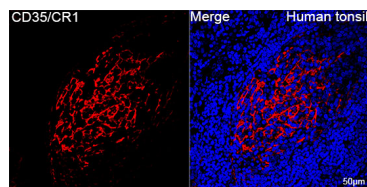
Affinity purification

Storage

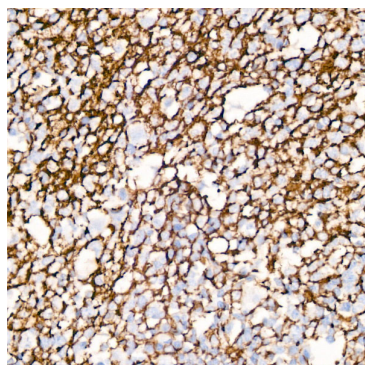
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

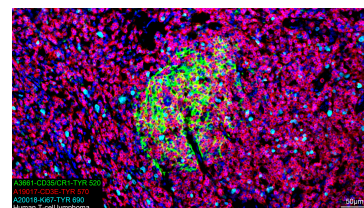
Validation Data



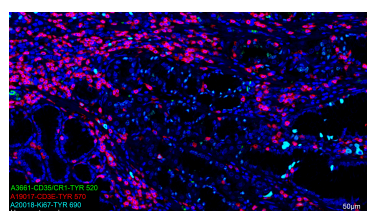
Confocal imaging of paraffin-embedded Human tonsil tissue using CD35/CR1 Rabbit mAb (A3661, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD35/CR1 Rabbit mAb (A3661) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Human T-cell lymphoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD35/CR1 Rabbit mAb (A3661, 1:100) with TSA-TYR-520 (Green), CD3E Rabbit mAb (A19017, 1:2000) with TSA-TYR-570 (Red), and Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-690 (cyan). 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 20x objective lens.



The multiplex IHC analysis on paraffin-embedded Human stomach cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD35/CR1 Rabbit mAb (A3661, 1:100) with TSA-TYR-520 (Green), CD3E Rabbit mAb (A19017, 1:2000) with TSA-TYR-570 (Red), and Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-690 (cyan). 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 20x objective lens.