

## Rabbit anti-Human CR1 Polyclonal Antibody | anti-CR1 antibody

CR1 Rabbit Polyclonal Antibody

|                               |                       |                            |                                                         |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA313214</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|

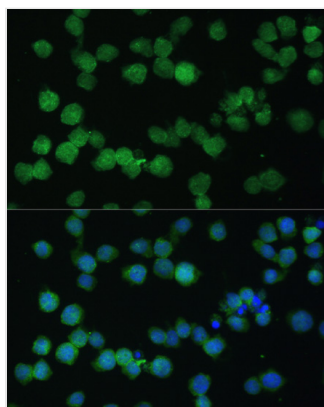
### PRODUCT SYNONYMS

CR1; Polyclonal Antibody; CR1 Rabbit Polyclonal Antibody; C3BR; C4BR; CD35; KN; anti-CR1 antibody

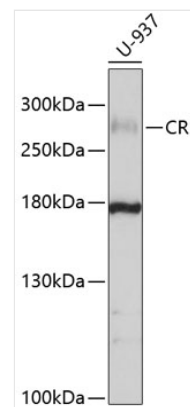
### PRODUCT SPECIFICATIONS

|                                               |                                                           |
|-----------------------------------------------|-----------------------------------------------------------|
| Host                                          | Rabbit                                                    |
| Reactivity                                    | Human                                                     |
| Clonality                                     | Polyclonal                                                |
| Isotype                                       | IgG                                                       |
| Purity/Purification                           | Affinity purification                                     |
| Form/Format                                   | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Applicable Applications for anti-CR1 antibody | IF (Immunofluorescence), WB (Western Blot)                |
| Immunogen                                     | Recombinant fusion protein of human CR1 (NP_000642.3).    |
| Preparation and Storage                       | Store at -20 degree C. Avoid freeze/thaw cycles.          |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of THP-1 cells using CR1 at dilution of 1:100. Blue: DAPI for nuclear staining.


**WB (Western Blot)**

Western blot analysis of extracts of U-937 cells, using CR1 at 1:1000 dilution.

ADDITIONAL INFORMATION

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|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CR1 antibody | 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 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 its gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variants, encoding different isoforms, have been characterized. Additional allele specific isoforms, including a secreted form, have been described but have not been fully characterized. |
| Product Categories/Family for anti-CR1 antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 86793109                                                                                                  |
| NCBI GeneID                      | 1378                                                                                                      |
| NCBI Accession #                 | NP_000642.3                                                                                               |
| NCBI GenBank Nucleotide #        | NM_000651.4                                                                                               |
| UniProt Accession #              | P17927; Q16744; Q16745; Q5SR43; Q5SR45; Q9UQV2                                                            |
| Molecular Weight                 | 223,663 Da                                                                                                |
| NCBI Official Full Name          | complement receptor type 1 isoform S                                                                      |
| NCBI Official Synonym Full Names | complement component (3b/4b) receptor 1 (Knops blood group)                                               |
| NCBI Official Symbol             | CR1                                                                                                       |
| NCBI Official Synonym Symbols    | KN; C3BR; C4BR; CD35                                                                                      |
| NCBI Protein Information         | complement receptor type 1; CD35 antigen; C3b/C4b receptor; C3-binding protein; Knops blood group antigen |
| UniProt Protein Name             | Complement receptor type 1                                                                                |
| UniProt Gene Name                | CR1                                                                                                       |
| UniProt Synonym Gene Names       | C3BR                                                                                                      |
| UniProt Entry Name               | CR1_HUMAN                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cr1-antibody-immunofluorescence-western-blot-elisa/313214>