



## Rabbit Anti-Human CR1 Polyclonal Antibody

Cat. No.: CTA-480

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

**Product Overview** This product is an anti-Human CR1 Polyclonal antibody generated from the Rabbit. The antibody can be used for WB; IHC.

### SPECIFICATIONS

<b>Clonality</b>	Polyclonal
<b>Host Animal</b>	Rabbit
<b>Isotype</b>	IgG
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: VKCQALNKWEPELPSCSRVCQPPPDVLHAERTQRDKDNFSPGQEVFYSCE PGYDLRG
<b>Species Reactivity</b>	Human
<b>Applications</b>	WB; IHC
<b>Application Notes</b>	WB: 0.04-0.4 µg/mL IHC: 1:200 - 1:500  The optimal working dilutions should be determined by the end user.
<b>Specificity</b>	This antibody reacts with Human CR1.
<b>Purification</b>	Immunogen affinity purified
<b>Purity</b>	≥95% as determined by SDS-PAGE
<b>Format</b>	Liquid
<b>Size</b>	25; 100 µL
<b>Buffer</b>	PBS, pH 7.2, 40% glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
<b>Type</b>	Primary Antibody

## ANTIGEN INFORMATION

### Introduction

Complement receptor 1 (CR1) also known as CD35, cluster of differentiation 35, is a protein that in humans is encoded by the CR1 gene. CR1 can act as a negative regulator of the complement cascade, mediate immune adherence and phagocytosis and inhibit both the classic and alternative pathways. Complement receptor 2 (CR2), also known as CD21, cluster of differentiation 21, is a protein that in humans is encoded by the CR2 gene. CR2 is involved in the complement system. It binds to iC3b (inactive derivative of C3b), C3dg, or C3d. B cells have CR2 receptors on their surfaces, allowing the complement system to play a role in B-cell activation and maturation.

### Alternative Names

Complement C3b/C4b Receptor 1 (Knops Blood Group); Complement Component (3b/4b) Receptor 1 (Knops Blood Group); C3b/C4b Receptor; CD35 Antigen; C3BR; Complement Component (3b/4b) Receptor 1, Including Knops Blood Group System; Complement Component 3b/4b Receptor 1 (Knops Blood Group); Complement Receptor Type 1; Knops Blood Group Antigen; Complement Receptor 1; C3-Binding Protein; C4BR; CD35; KN

### Gene ID

[1378](#)

### UniProt ID

[P17927](#)