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**[ Primary Antibody ]**

# Recombinant Rabbit Anti-CR1 Monoclonal Antibody

**Catalog Number: SLA0368M**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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|---|---|
| **Host:** | Mouse |
| **Isotype:** | Mouse IgG1, k |
| **Clonality:** | Monoclonal |
| **Clone No.:** | 8E4 |
| **Target:** | CR1 |
| **Purification:** | affinity purified by Protein G |
| **Storage:** | 0.01M PBS (pH7.4).<br>Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | Flow-Cyt (2ug/Test)<br>Not yet tested in other applications.<br>Optimal working dilutions must be determined by the end user. |
| **Reactivity:** | Human |
| **Predicted MW.:** | 274 kDa |
| **Subcellular Location:** | Membrane |
| **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.<br>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.<br>Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. [provided by RefSeq, May 2020] |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.