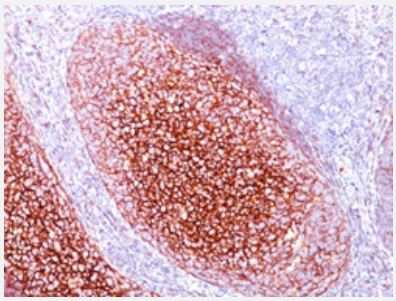
CR1 monoclonal antibody, clone CR1/802

Catalog # MAB13262 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CR1 monoclonal antibody, clone CR1/802 (Cat # MAB13262).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CR1.
Immunogen	Recombinant protein corresponding to full length human CR1.
Host	Mouse
Theoretical MW (kDa)	210-220
Reactivity	Human
Specificity	This monoclonal antibody does not block CR1 activity. It is highly specific to CR1 and shows no cros s-reaction with CR2.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CR1 monoclonal antibody, clone CR1/802 (Cat # MAB13262).

- Immunofluorescence

- Flow Cytometry

Gene Info — CR1

Entrez GeneID	1378
Protein Accession#	P17927
Gene Name	CR1
Gene Alias	C3BR, CD35, KN
Gene Description	complement component (3b/4b) receptor 1 (Knops blood group)
Omim ID	120620 607486 611162
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the receptors of complement activation (RCA) family and is located in t he 'cluster RCA' region of chromosome 1. The gene encodes a monomeric single-pass type I me mbrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicul ar 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 com plement. Decreases in expression of this protein and/or mutations in its gene have been associat ed with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythemato sus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasm odium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variants, encoding different isoforms, have been characterized. Additional allele specific is oforms, including a secreted form, have been described but have not been fully characterized. [pr ovided by RefSeq

Other Designations	C3-binding protein|C3b/C4b receptor|CD35 antigen|Knops blood group antigen|complement component receptor 1|complement receptor 1

Pathway

- Complement and coagulation cascades
- Hematopoietic cell lineage

Disease

- Adhesions
- Alzheimer Disease
- Autoimmune Diseases
- Cardiovascular Diseases
- Cognition Disorders
- Diabetes Complications
- Diabetes Mellitus
- Gallbladder Neoplasms
- Gallstones
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hepatitis B
- HIV Infections
- Immune Complex Diseases
- Kidney Failure
- Liver Cirrhosis
- Lupus Erythematosus
- Lymphoma

- Macular Degeneration
- Maduromycosis
- Malaria
- Myocardial Infarction
- Neuropsychological Tests
- Pulmonary Fibrosis
- Sarcoidosis
- Tobacco Use Disorder
- Tuberculosis