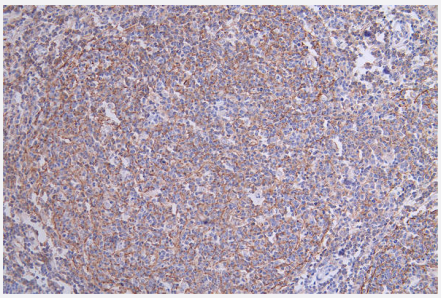
RecomAb™

CR1 recombinant monoclonal antibody, clone 4D4

Catalog # RAB07680 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of CR1 recombinant monoclonal antibody, clone 4D4 diluted at 1:50 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CR1.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of CR1 recombinant monoclonal antibody, clone 4D4 diluted at 1:50 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

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 com ponent receptor 1|complement receptor 1

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.