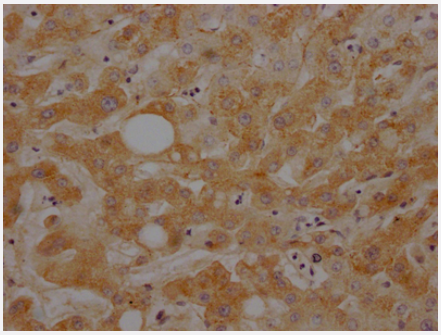
RecomAb™

C3 recombinant monoclonal antibody, clone 4D12

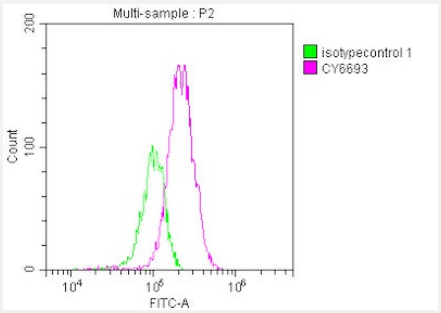
Catalog # RAB04062 Size 100 uL

Applications



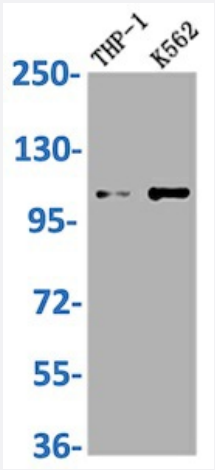
Immunohistochemistry

Immunohistochemistry image of C3 recombinant monoclonal antibody, clone 4D12 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system.



Flow Cytometry

Overlay histogram showing HepG2 cells stained with C3 recombinant monoclonal antibody, clone 4D12 (red line) at 1:50.



Western Blot

Western Blot analysis of Lane 1: THP-1 whole cell lysate; Lane 2: K562 whole cell lysate.

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human C3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human C3.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
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 C3 recombinant monoclonal antibody, clone 4D12 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system.

- Flow Cytometry

  Overlay histogram showing HepG2 cells stained with C3 recombinant monoclonal antibody, clone 4D12 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot

  Western Blot analysis of Lane 1: THP-1 whole cell lysate; Lane 2: K562 whole cell lysate.

Gene Info — C3

Entrez GeneID	718
Protein Accession#	P01024
Gene Name	C3
Gene Alias	ARMD9, ASP, CPAMD1
Gene Description	complement component 3
Omim ID	120700
Gene Ontology	Hyperlink
Gene Summary	Complement component C3 plays a central role in the activation of complement system. Its activat ion is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection. [provided by RefSeq
Other Designations	acylation-stimulating protein cleavage product|complement component C3

Pathway

- Complement and coagulation cascades
- Systemic lupus erythematosus

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia

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- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Celiac Disease
- Chlamydia Infections
- Choroidal Neovascularization
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Edema
- Erythema Nodosum
- Genetic Predisposition to Disease
- Geographic Atrophy
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hemolytic-Uremic Syndrome
- Hypersensitivity
- Hypertension
- Infant

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- Inflammation
- Inflammatory Bowel Diseases
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms
- Occupational Diseases
- Osteoporosis
- Ovarian Neoplasms
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections
- Retinal Drusen
- Sarcoidosis
- Stroke
- Tobacco Use Disorder
- Trachoma
- Tuberculosis
- Vision
- Wet Macular Degeneration

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