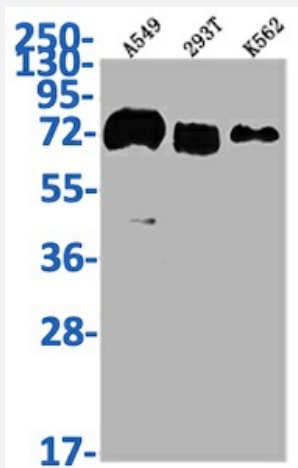


RecomAb™

CD55 recombinant monoclonal antibody, clone 1A5

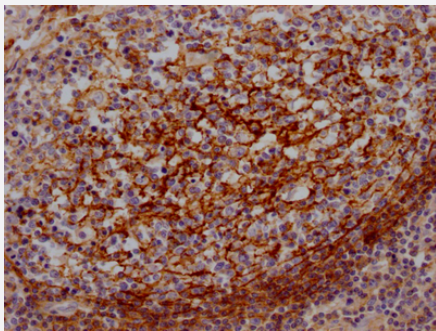
Catalog # RAB04115 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: A549 whole cell lysate; Lane 2: 293T whole cell lysate; Lane 3: K562 whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of CD55 recombinant monoclonal antibody, clone 1A5 diluted at 1:100 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD55.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human CD55.
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA 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 should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: A549 whole cell lysate; Lane 2: 293T whole cell lysate; Lane 3: K562 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of CD55 recombinant monoclonal antibody, clone 1A5 diluted at 1:100 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD55

Entrez GeneID	1604
Protein Accession#	P08174
Gene Name	CD55
Gene Alias	CR, CROM, DAF, TC
Gene Description	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
Omim ID	125240
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF); binding of DAF to complement proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. Antigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower levels. Additional, alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]

Other Designations

CD55 antigen|decay accelerating factor for complement

Pathway

- [Complement and coagulation cascades](#)
- [Hematopoietic cell lineage](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Chorioamnionitis](#)
- [Down Syndrome](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Obstetric Labor](#)

- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Rhinitis](#)