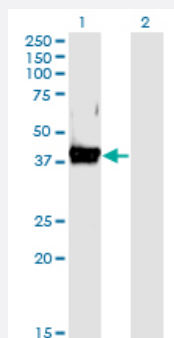


DAF monoclonal antibody (M02), clone 1D7

Catalog # H00001604-M02

Size 100 ug

Applications

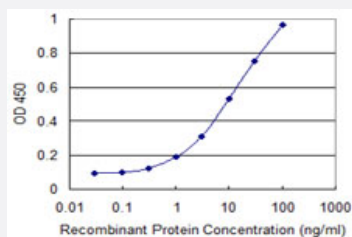


Western Blot (Transfected lysate)

Western Blot analysis of CD55 expression in transfected 293T cell line by DAF monoclonal antibody (M02), clone 1D7.

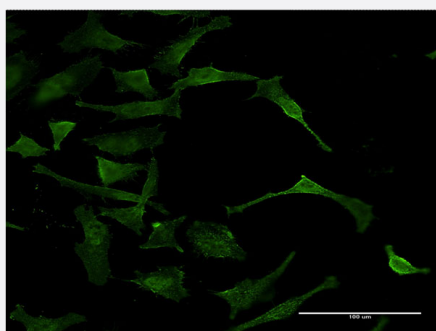
Lane 1: CD55 transfected lysate (41.4 KDa).

Lane 2: Non-transfected lysate.



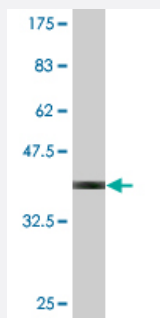
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD55 is 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CD55 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DAF.
Immunogen	DAF (NP_000565, 35 a.a. ~ 134 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DCGLPPDVPNAQPALEGRTSFPEDTVITYKCEESFVKIPGEKDSVICLRGSQWSDIEEFCNRSCE VPTRLNSASLKQPYITQNYFPVGTVVEYECRPGYR
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of CD55 expression in transfected 293T cell line by DAF monoclonal antibody (M02), clone 1D7.

Lane 1: CD55 transfected lysate(41.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD55 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CD55 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CD55

Entrez GeneID [1604](#)

GeneBank Accession# [NM_000574](#)

Protein Accession# [NP_000565](#)

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](#)