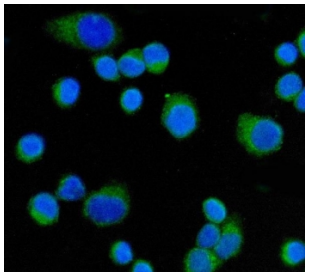
CD55 Antibody 9F3A1 / Recombinant CD55 Mouse Monoclonal [clone 9F3A1] (RQ6959)

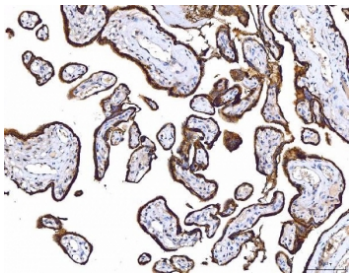
Catalog No.	Formulation	Size
RQ6959	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

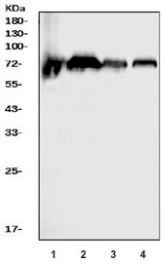
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	9F3A1
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08174
Applications	Western blot: 0.5-1 ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml
Limitations	This CD55 Antibody 9F3A1 / Recombinant CD55 Mouse Monoclonal is available for research use only.



Immunofluorescent staining of FFPE human SiHa cells with CD55 Antibody 9F3A1 (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human placental tissue with CD55 Antibody 9F3A1. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) placenta, 2) HeLa, 3) PC-3 and 4) Caco-2 cell lysate with CD55 Antibody 9F3A1. Observed molecular weight: 41~70 kDa depending on glycosylation level.

Description

Complement decay-accelerating factor, also known as CD55 or DAF, is a protein that, in humans, is encoded by the CD55 gene. This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins.

For a published monoclonal antibody targeting this complement regulatory protein, see our CD55 Antibody clone 143-30.

Application Notes

Optimal dilution of the CD55 Antibody 9F3A1 / Recombinant CD55 Mouse Monoclonal should be determined by the researcher.

Immunogen

Recombinant human CD55 protein (amino acids D35-K347) was used as the immunogen for the CD55 antibody.

Storage

After reconstitution, the CD55 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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