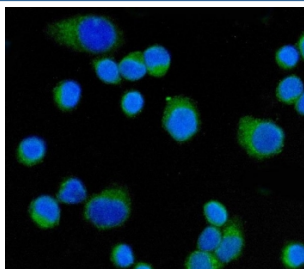


## CD55 Antibody [clone 9F3A1] (RQ6959)

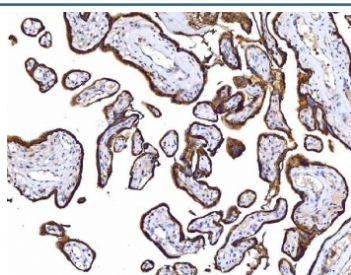
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ6959      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

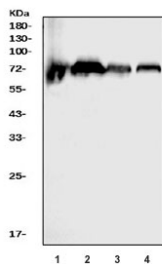
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG2b   |
| <b>Clone Name</b>         | 9F3A1   |
| <b>Purity</b>             | Antigen affinity purified   |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose   |
| <b>UniProt</b>            | P08174  |
| <b>Applications</b>       | Western Blot : 0.5-1 ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Immunofluorescence : 5ug/ml |
| <b>Limitations</b>        | This CD55 antibody is available for research use only.  |



Immunofluorescent staining of FFPE human SiHa cells with CD55 antibody (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. 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. 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.

## Application Notes

Optimal dilution of the CD55 antibody 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.