

### Anti-Factor D/CFD antibody [EPR17004-285] ab181307

Recombinant RabMAb

3 Images

#### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-Factor D/CFD antibody [EPR17004-285]   |
| <b>Description</b>         | Rabbit monoclonal [EPR17004-285] to Factor D/CFD  |
| <b>Host species</b>        | Rabbit  |
| <b>Specificity</b>         | This antibody detects a distinct epitope compared to <a href="#">ab213177</a> .   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse   |
| <b>Immunogen</b>           | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.  |
| <b>Positive control</b>    | WB: His-tagged Mouse Factor D/CFD (aa26-259) recombinant protein. Mouse plasma, serum and lung lysate.  |
| <b>General notes</b>       | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> |

#### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.01% Sodium azide<br>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA                    |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | EPR17004-285  |
| <b>Isotype</b>              | IgG   |

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181307 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes                                       |
|-------------|-----------|---|
| WB          |           | 1/1000. Predicted molecular weight: 27 kDa. |

## Target

### Function

Factor D cleaves factor B when the latter is complexed with factor C3b, activating the C3bbb complex, which then becomes the C3 convertase of the alternate pathway. Its function is homologous to that of C1s in the classical pathway.

### Involvement in disease

Defects in CFD are the cause of complement factor D deficiency (CFD deficiency) [MIM:134350]. CFD deficiency predisposes to invasive meningococcal disease.

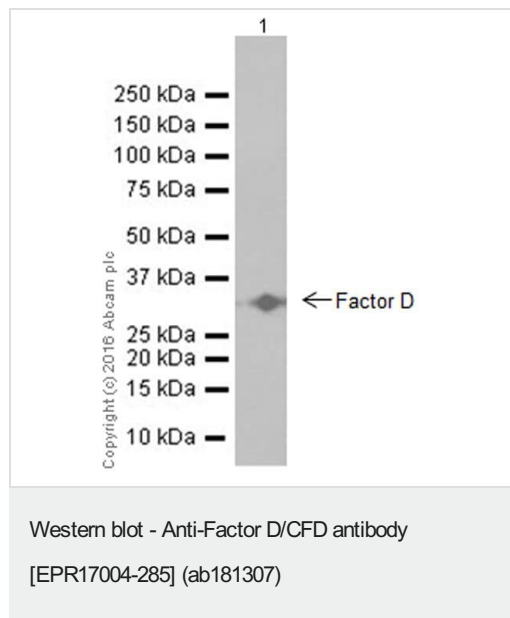
### Sequence similarities

Belongs to the peptidase S1 family.  
Contains 1 peptidase S1 domain.

### Cellular localization

Secreted.

## Images



Anti-Factor D/CFD antibody [EPR17004-285] (ab181307) at 1/100000 dilution + His-tagged Mouse Factor D/CFD (aa26-259) recombinant protein 10 ng

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

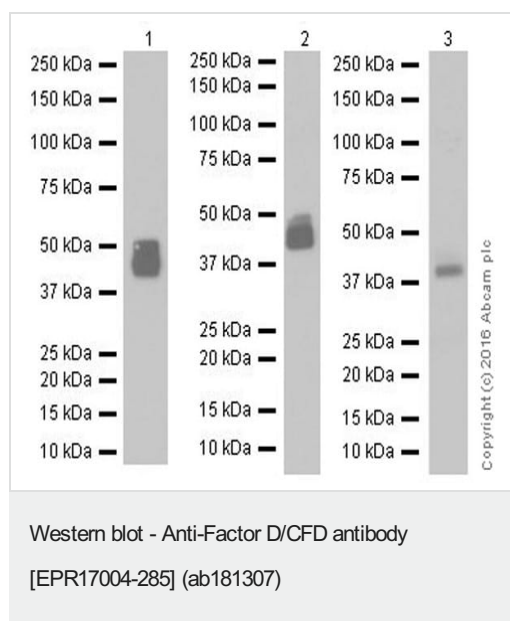
Developed using the ECL technique.

**Predicted band size:** 27 kDa

**Observed band size:** 29 kDa

**Exposure time:** 30 seconds

Blocking/ Dilution buffer and concentration: 5% NFDM/TBST.



**All lanes :** Anti-Factor D/CFD antibody [EPR17004-285]  
(ab181307) at 1/1000 dilution

**Lane 1 :** Mouse plasma lysate

**Lane 2 :** Mouse serum lysate

**Lane 3 :** Mouse lung lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at  
1/100000 dilution

Developed using the ECL technique.

**Predicted band size:** 27 kDa

**Observed band size:** 45-50 kDa

Blocking/ Dilution buffer and concentration: 5% NFDM/TBST.

Exposure times:

Lane 1/2: 1 second

Lane 3: 15 seconds

The higher molecular mass corresponds to glycosylated forms of the protein. The expression profile observed is consistent with what has been described in the literature (PMID: 20038603; PMID: 12949072).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Factor D/CFD antibody [EPR17004-285]  
(ab181307)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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