

Anti-Factor D/CFD antibody [EPR17004-285] - BSA and Azide free ab250478

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Factor D/CFD antibody [EPR17004-285] - BSA and Azide free
Description	Rabbit monoclonal [EPR17004-285] to Factor D/CFD - BSA and Azide free
Host species	Rabbit
Specificity	This antibody detects a distinct epitope compared to ab213177 .
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250478 is the carrier-free version of ab181307.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17004-285
Isotype	IgG

Applications

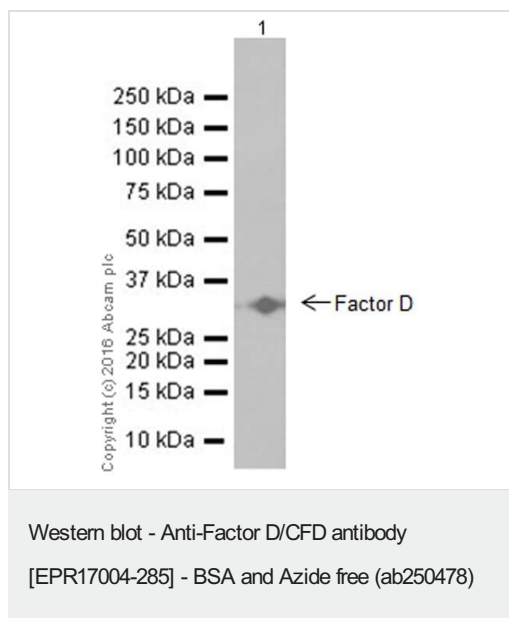
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250478 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. 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.

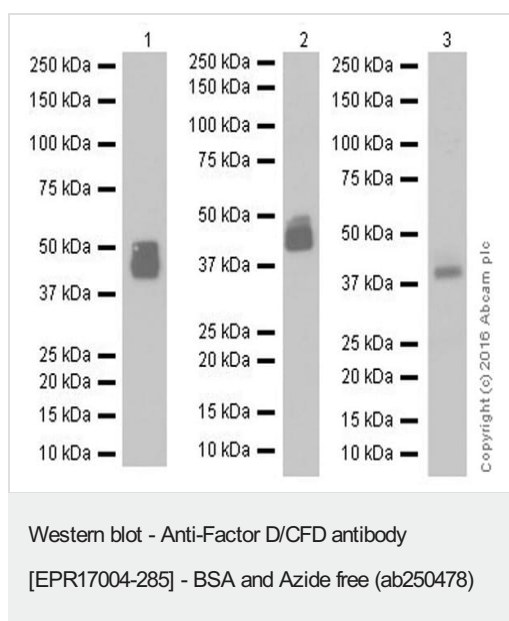
Predicted band size: 27 kDa

Observed band size: 29 kDa

Exposure time: 30 seconds

This data was developed using [ab181307](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 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

This data was developed using **ab181307**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: Lanes 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; 12949072).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Factor D/CFD antibody [EPR17004-285] - BSA and Azide free (ab250478)

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

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