

Product datasheet

Anti-Factor D/CFD antibody [EPR17004-240] ab213177

Recombinant RabMAb

2 Images

Overview

Product name	Anti-Factor D/CFD antibody [EPR17004-240]
Description	Rabbit monoclonal [EPR17004-240] to Factor D/CFD
Host species	Rabbit
Specificity	This antibody detects a distinct epitope compared to ab181307 .
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant full length protein within Mouse Factor D/CFD aa 1 to the C-terminus. The exact sequence is proprietary. Database link: P03953
Positive control	WB: His-tagged mouse Factor D/CFD (aa26-259) recombinant protein; Mouse plasma and serum; Mouse lung lysate.
General notes	This product was previously labelled as Factor D

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17004-240
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab213177** in the following tested applications.

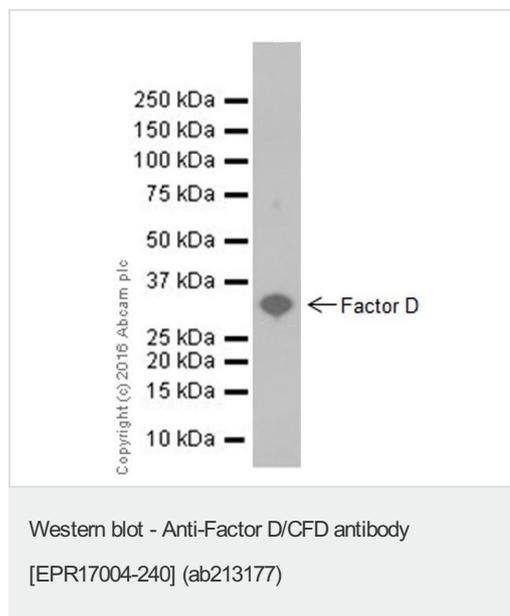
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 45-50 kDa (predicted molecular weight: 28 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 [EPR17004-240] (ab213177) at 1/5000 dilution + His-tagged Mouse Factor D/CFD (aa26-259) recombinant protein at 0.01 µg

Secondary

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

Developed using the ECL technique.

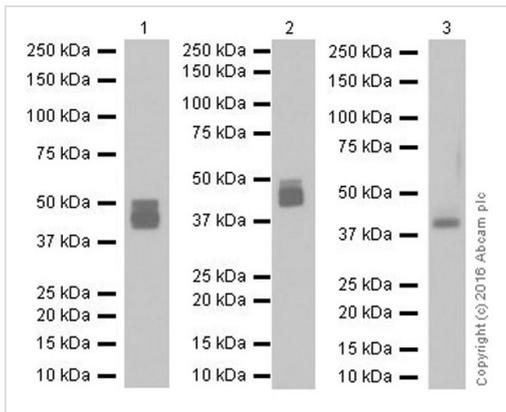
Predicted band size: 28 kDa

Observed band size: 29 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-Factor D/CFD antibody
[EPR17004-240] (ab213177)

All lanes : Anti-Factor D/CFD antibody [EPR17004-240]
(ab213177) at 1/1000 dilution

Lane 1 : Mouse plasma

Lane 2 : Mouse serum

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: 28 kDa

Observed band size: 45-50 kDa [why is the actual band size different from the predicted?](#)

Exposure : Lane 1/2: 1 second; Lane 3: 15 seconds.

Blocking/Dilution buffer: 5% NFDm/TBST.

The higher molecular mass corresponds to the glycosylated protein.

The expression profile observed is consistent with what has been described in the literature (PMID: 20038603; PMID: 12949072).

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

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