

## Product datasheet

# Anti-Factor D/CFD antibody [EPR14699] - BSA and Azide free ab251417

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-Factor D/CFD antibody [EPR14699] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR14699] to Factor D/CFD - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab251417 is the carrier-free version of <a href="#">ab204917</a>.</p> <p>Our <a href="#">carrier-free</a> 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 <a href="#">conjugation kits</a> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"> <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. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14699
<b>Isotype</b>	IgG

## Applications

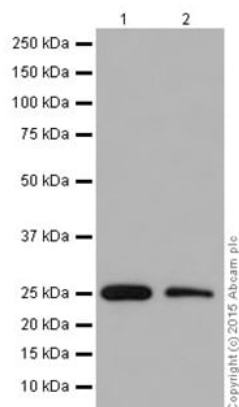
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab251417 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 25 kDa (predicted molecular weight: 27 kDa).

## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	Defects in CFD are the cause of complement factor D deficiency (CFD deficiency) [MIM:134350]. CFD deficiency predisposes to invasive meningococcal disease.
<b>Sequence similarities</b>	Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain.
<b>Cellular localization</b>	Secreted.

## Images



Western blot - Anti-Factor D/CFD antibody  
[EPR14699] - BSA and Azide free (ab251417)

**All lanes** : Anti-Factor D/CFD antibody [EPR14699] ([ab204917](#)) at 1/2000 dilution

**Lane 1** : Human serum

**Lane 2** : THP-1 (Human monocytic leukemia cells) cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes** : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/10000 dilution

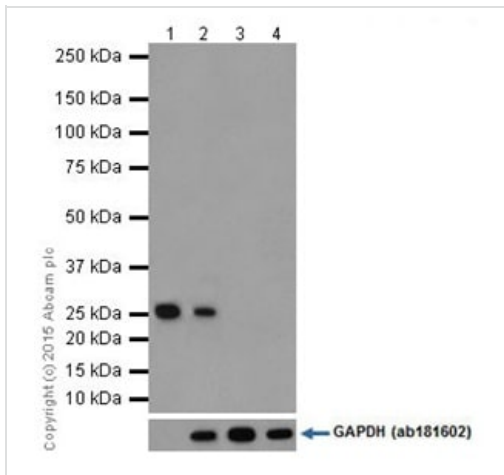
**Predicted band size:** 27 kDa

**Observed band size:** 25 kDa

**Exposure time:** 3 minutes

This data was developed using [ab204917](#), the same antibody clone in a different buffer formulation.

**Blocking and dilution buffer:** 5% NFDM/TBST.



Western blot - Anti-Factor D/CFD antibody [EPR14699] - BSA and Azide free (ab251417)

**All lanes :** Anti-Factor D/CFD antibody [EPR14699] ([ab204917](#)) at 1/1000 dilution

**Lane 1 :** Human serum

**Lane 2 :** THP-1 (Human monocytic leukemia cells) cell lysate

**Lane 3 :** U87-MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

**Lane 4 :** Molt4 (Human lymphoblastic leukemia cell line) cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/10000 dilution

**Predicted band size:** 27 kDa

**Observed band size:** 25 kDa

**Exposure time:** 3 minutes

This data was developed using [ab204917](#), the same antibody clone in a different buffer formulation.

**Blocking and dilution buffer:** 5% NFD/MTBST.

Why choose a recombinant antibody?

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

Anti-Factor D/CFD antibody [EPR14699] - BSA and Azide free (ab251417)

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

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