abcam

## Product datasheet

# Anti-Factor D/CFD antibody [D10/4] ab121054

### Overview

| | |
|---|---|
| **Product name** | Anti-Factor D/CFD antibody [D10/4] |
| **Description** | Mouse monoclonal [D10/4] to Factor D/CFD |
| **Host species** | Mouse |
| **Specificity** | ab121054 is specific for complement Factor D/CFD in Human serum and plasma. |
| **Tested applications** | **Suitable for:** WB, Sandwich ELISA |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Full length protein corresponding to Human Factor D/CFD. |
| **General notes** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

### Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| **Storage buffer** | pH: 7.40<br>Preservative: 0.1% Sodium azide<br>Constituents: 97% Phosphate Buffer, 2.9% Sodium chloride |
| **Purity** | Protein A purified |
| **Clonality** | Monoclonal |
| **Clone number** | D10/4 |
| **Myeloma** | x63-Ag8.653 |
| **Isotype** | IgG2a |
| **Light chain type** | kappa |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab121054 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. |
| **Sandwich ELISA** | | Use at an assay dependent concentration.<br>as capture antibody. The dilution guideline for ELISA is based on sandwich ELISA in combination with a polyclonal antibody against the antigen. |

## 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.



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