

## ARG81918 Mouse Factor D ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name                        | Package              | Temp  |
|--------------|---------------------------------------|----------------------|---|
| ARG81918-001 | Antibody-coated microplate            | 8 X 12 strips        | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81918-002 | Standard                              | 2 X 50 ng/vial       | 4°C   |
| ARG81918-003 | Standard/Sample diluent               | 30 ml (Ready to use) | 4°C   |
| ARG81918-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl)      | 4°C   |
| ARG81918-005 | Antibody diluent buffer               | 12 ml (Ready to use) | 4°C   |
| ARG81918-006 | HRP-Streptavidin concentrate (100X)   | 1 vial (100 µl)      | 4°C   |
| ARG81918-007 | HRP-Streptavidin diluent buffer       | 12 ml (Ready to use) | 4°C   |
| ARG81918-008 | 25X Wash buffer                       | 20 ml                | 4°C   |
| ARG81918-009 | TMB substrate                         | 10 ml (Ready to use) | 4°C (Protect from light)  |
| ARG81918-010 | STOP solution                         | 10 ml (Ready to use) | 4°C   |
| ARG81918-011 | Plate sealer                          | 4 strips             | Room temperature  |

### Summary

|                     |   |
|---------------------|---|
| Product Description | ARG81918 Mouse Factor D ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Factor D in serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Tested Reactivity   | Ms  |
| Tested Application  | ELISA   |
| Specificity         | There is no detectable cross-reactivity with other relevant proteins.   |
| Target Name         | Factor D  |
| Conjugation         | HRP   |
| Conjugation Note    | Substrate: TMB and read at 450 nm.  |
| Sensitivity         | 0.39 ng/ml  |
| Sample Type         | Serum, plasma (heparin, EDTA) and cell culture supernatants.  |
| Standard Range      | 0.78 - 50 ng/ml   |
| Sample Volume       | 100 µl  |

|                 |  |
|-----------------|--|
| Precision       | Intra-Assay CV: 7.2%; Inter-Assay CV: 8.4%   |
| Alternate Names | C3 convertase activator; PFD; Properdin factor D; DF; Complement factor D; ADIPSIN; EC 3.4.21.46; ADN; Adipsin |

## Application Instructions

|            |           |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

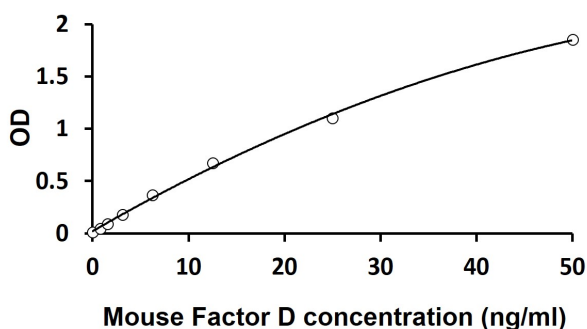
## Properties

|                     |  |
|---------------------|--|
| Form                | 96 well  |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

|                |   |
|----------------|---|
| Gene Symbol    | CFD   |
| Gene Full Name | complement factor D (adipsin)   |
| Background     | The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology. [provided by RefSeq, Jul 2008] |
| 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. [UniProt]  |
| Highlight      | Related products:<br><a href="#">Factor D antibodies</a> ; <a href="#">Factor D ELISA Kits</a> ; <a href="#">Factor D Duos / Panels</a> ;<br>New ELISA data calculation tool:<br><a href="#">Simplify the ELISA analysis by GainData</a>  |

## Images



ARG81918 Mouse Factor D ELISA Kit standard curve image

ARG81918 Mouse Factor D ELISA Kit results of a typical standard run with optical density reading at 450 nm.