

ARG81788 Human CD201 / EPCR ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81788-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81788-002 | Standard | 2 X 20 ng/vial | 4°C |
| ARG81788-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81788-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81788-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81788-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81788-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81788-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81788-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81788-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81788-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81788 Human CD201 / EPCR ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD201 / EPCR in serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CD201 / EPCR |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 156 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Standard Range | 312 - 20000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|--|
| Precision | Intra-Assay CV: 5.8%; Inter-Assay CV: 6.9% |
| Alternate Names | CD antigen CD201; Activated protein C receptor; EPCR; APC receptor; CCCA; Endothelial cell protein C receptor; CCD41; Endothelial protein C receptor |

Application Instructions

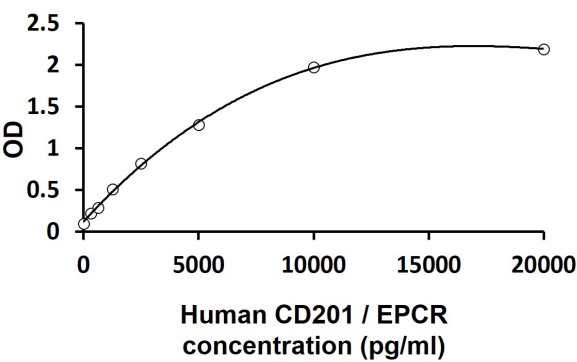
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

Properties

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|---------------------|--|
| 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

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|----------------|---|
| Gene Symbol | PROCR |
| Gene Full Name | protein C receptor, endothelial |
| Background | The protein encoded by this gene is a receptor for activated protein C, a serine protease activated by and involved in the blood coagulation pathway. The encoded protein is an N-glycosylated type I membrane protein that enhances the activation of protein C. Mutations in this gene have been associated with venous thromboembolism and myocardial infarction, as well as with late fetal loss during pregnancy. The encoded protein may also play a role in malarial infection and has been associated with cancer. [provided by RefSeq, Jul 2013] |
| Function | Binds activated protein C. Enhances protein C activation by the thrombin-thrombomodulin complex; plays a role in the protein C pathway controlling blood coagulation. [UniProt] |
| Highlight | Related products: CD201 antibodies ; CD201 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | N-glycosylated. A soluble form exists; probably released by a metalloprotease. Seems to have the same activity as the membrane-bound form. [UniProt] |



ARG81788 Human CD201 / EPCR ELISA Kit standard curve image

ARG81788 Human CD201 / EPCR ELISA Kit results of a typical standard run with optical density reading at 450 nm.