

ARG81671 Mouse CD62P / P-Selectin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81671-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81671-002 | Standard | 2 X 20 ng/vial | 4°C |
| ARG81671-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81671-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81671-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81671-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81671-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81671-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81671-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81671-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81671-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81671 Mouse CD62P / P-Selectin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD62P / P-Selectin in serum, plasma (citrate) and cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CD62P / P-Selectin |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 156 pg/ml |
| Sample Type | Serum, plasma (citrate) and cell culture supernatants. |
| Standard Range | 312 - 20000 pg/ml |
| Sample Volume | 100 µl |

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| Precision | Intra-Assay CV: 5.3%; Inter-Assay CV: 5.9% |
| Alternate Names | PADGEM; CD62; Platelet activation dependent granule-external membrane protein; CD62 antigen-like family member P; GMP140; PSEL; Granule membrane protein 140; CD62P; CD antigen CD62P; Leukocyte-endothelial cell adhesion molecule 3; GRMP; GMP-140; P-selectin; LECAM3 |

Application Instructions

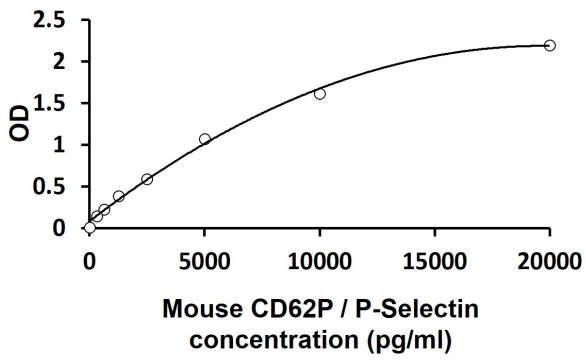
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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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 | SELP |
| Gene Full Name | selectin P (granule membrane protein 140kDa, antigen CD62) |
| Background | This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented. [provided by RefSeq, Jul 2008] |
| Function | Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. [UniProt] |
| Highlight | Related products: CD62 antibodies ; CD62 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |



ARG81671 Mouse CD62P / P-Selectin ELISA Kit standard curve image

ARG81671 Mouse CD62P / P-Selectin ELISA Kit results of a typical standard run with optical density reading at 450 nm.