

ARG81463 Human KLK5 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81463-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81463-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81463-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81463-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81463-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81463-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81463-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81463-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81463-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81463-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81463-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81463 Human KLK5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human KLK5 in serum, plasma (heparin, EDTA), human milk, saliva and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | KLK5 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 39 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA), human milk, saliva and cell culture supernatants. |
| Standard Range | 78 - 5000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 4.8% Inter-Assay CV: 5.4% |
| Alternate Names | Stratum corneum tryptic enzyme; Kallikrein-like protein 2; KLKL2; KLK-L2; Kallikrein-5; EC 3.4.21.-; SCTE |

Application Instructions

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|------------|-----------|
| 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 | KLK5 |
| Gene Full Name | kallikrein-related peptidase 5 |
| Background | Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008] |
| Function | May be involved in desquamation. [UniProt] |
| Highlight | Related products: KLK antibodies ; KLK ELISA Kits ; KLK Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |

Images

