

ARG83312 Human Lipocalin 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG83312 Human Lipocalin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Lipocalin 1 in Serum, Plasma and Cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | Lipocalin 1 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 63 pg/ml |
| Detection Range | 125 pg/ml - 8,000 pg/ml |
| Sample Type | Serum, Plasma and Cell culture supernatants |
| Precision | Intra-Assay CV: 4.2% Inter-Assay CV: 7.4% |
| Alternate Names | Tlc; VEGP; Tear lipocalin; TP; TLC; Lipocalin-1; PMFA; VEG protein; Von Ebner gland protein; Tear prealbumin |

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

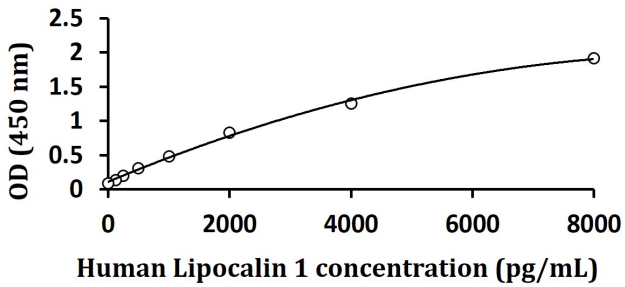
| | |
|----------------|--|
| Gene Symbol | LCN1 |
| Gene Full Name | lipocalin 1 |
| Background | This gene encodes a member of the lipocalin family of small secretory proteins. Lipocalins are extracellular transport proteins that bind to a variety of hydrophobic ligands. The encoded protein is the primary lipid binding protein in tears and is overproduced in response to multiple stimuli including infection and stress. The encoded protein may be a marker for chromosome aneuploidy as well as an autoantigen in Sjogren's syndrome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and two pseudogenes of this gene are also located on the long arm |

of chromosome 9. [provided by RefSeq, Nov 2011]

Function

Could play a role in taste reception. Could be necessary for the concentration and delivery of sapid molecules in the gustatory system. Can bind various ligands, with chemical structures ranging from lipids and retinoids to the macrocyclic antibiotic rifampicin and even to microbial siderophores. Exhibits an extremely wide ligand pocket. [UniProt]

Images



ARG83312 Human Lipocalin 1 ELISA Kit standard curve image

ARG83312 Human Lipocalin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.