

ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

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| Product Description | ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD49e / Integrin alpha 5 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 | CD49e / Integrin alpha 5 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 80 pg/ml |
| Detection Range | 156 pg/ml - 10,000 pg/ml |
| Sample Type | Serum, Plasma and Cell culture supernatants |
| Precision | Intra-Assay CV: 6.3% Inter-Assay CV: 6.1% |
| Alternate Names | CD49e; CD49 antigen-like family member E; Integrin alpha-F; Fibronectin receptor subunit alpha; CD antigen CD49e; VLA-5; FNRA; VLA5A; Integrin alpha-5 |

Application Instructions

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| Assay Time | ~ 5 hours |
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Properties

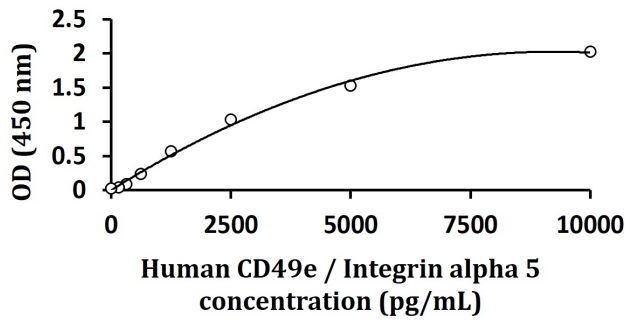
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| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual 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 | ITGA5 |
| Gene Full Name | integrin, alpha 5 (fibronectin receptor, alpha polypeptide) |
| Background | The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. Integrin alpha 5 and integrin alpha V chains are produced by distinct genes. [provided by RefSeq, Jan 2015] |

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| Function | Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. [UniProt] |
| PTM | Proteolytic cleavage by PCSK5 mediates activation of the precursor. [UniProt] |

Images



ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit standard curve image

ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.