

Recombinant Human KLRK1 protein, His-Avi-tagged, Biotinylated

Cat. No. KLRK1-718HB Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Biotinylated Recombinant Human KLRK1 protein(P26718)(Phe78-Val216), fused with N-terminal His and Avi tag, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Phe78-Val216 |
| Tag | N-His-Avi |
| Conjugation/Label | Biotin |
| Form | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization. |
| Bio-activity | Immobilized Biotinylated Human NKG2D, His Tag at 1ug/ml (100ul/well) on the streptavidin precoated plate (5ug/ml). Dose response curve for Human MICA, hFc Tag with the EC50 of 2.9ng/ml determined by ELISA. |
| Molecular Mass | The protein has a predicted MW of 19.0 kDa. Due to glycosylation, the protein migrates to 36-40 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |

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|-----------------------|---|
| Purity | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC |
| Storage | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |
| Reconstitution | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Conjugation | Biotin |

GENE INFORMATION

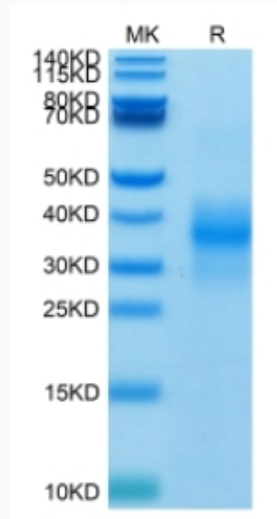
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|------------------------|---|
| Gene Name | KLRK1 killer cell lectin-like receptor subfamily K, member 1 [Homo sapiens] |
| Official Symbol | KLRK1 |
| Synonyms | KLRK1; killer cell lectin-like receptor subfamily K, member 1; D12S2489E, DNA segment on chromosome 12 (unique) 2489 expressed sequence; NKG2-D type II integral membrane protein; CD314; KLR; NKG2 D; NKG2D; NK cell receptor D; NKG2-D-activating NK receptor; NKG2-D; D12S2489E; FLJ17759; FLJ75772; |
| Gene ID | 22914 |
| mRNA Refseq | NM_007360 |
| Protein Refseq | NP_031386 |
| MIM | 611817 |
| UniProt ID | P26718 |

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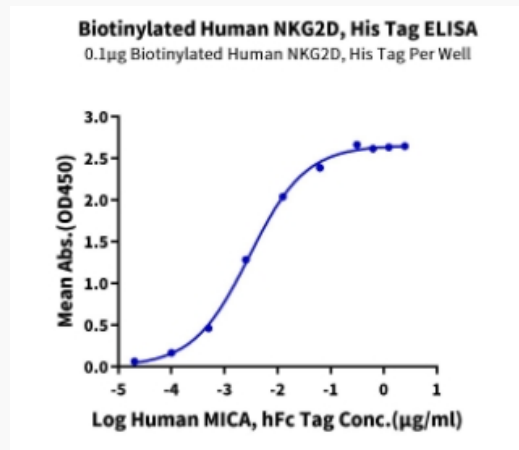
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Tris-Bis PAGE



ELISA Data



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