Recombinant Mouse Klrk1 protein, His-tagged

Cat. No. Klrk1-5643M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Klrk1 protein(O54709-1)(Phe90-Val232), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Phe90-Val232
Tag	N-His
Form	Lyophilized from 0.22μm filtered solution in 20mM Tris, 250mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse NKG2D, His Tag at 5ug/ml (100ul/well) on the plate. Dose response curve for Human MICA, hFc Tag with the EC50 of 71.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 17.5 kDa. Due to glycosylation, the protein migrates to 24-35kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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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.

GENE INFORMATION

Gene Name	Klrk1 killer cell lectin-like receptor subfamily K, member 1 [Mus musculus]
Official Symbol	Klrk1
Synonyms	KLRK1; killer cell lectin-like receptor subfamily K, member 1; NKG2-D type II integral membrane protein; NK cell receptor D; natural killer cell group 2D; NKG2-D-activating NK receptor; Nkg2d; NKG2-D; D6H12S2489E;
Gene ID	27007
mRNA Refseq	NM_001083322
Protein Refseq	NP_001076791

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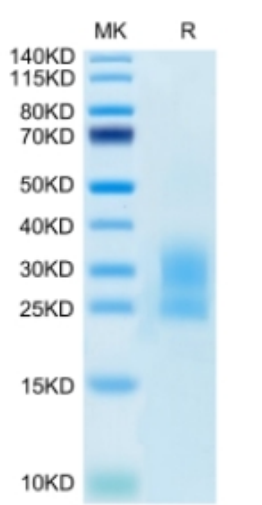
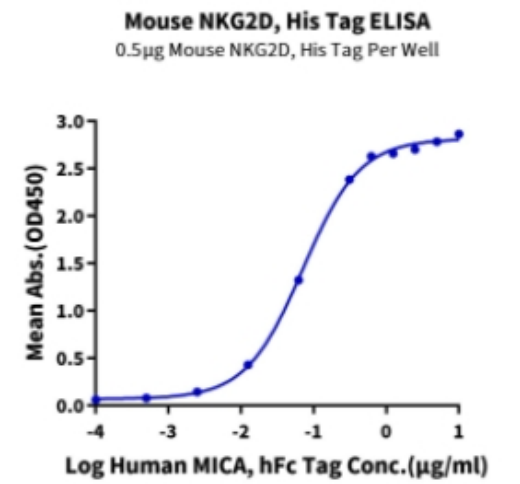
Tris-Bis PAGE	
ELISA Data	

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