

# Rhesus macaque KIR3DL2 Protein

Cat. No. KR3-CM1L2

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Rhesus macaque KIR3DL2 Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains His22-His338.    |
| <b>Accession</b>        | F7GCU5  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 35.39 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result. |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

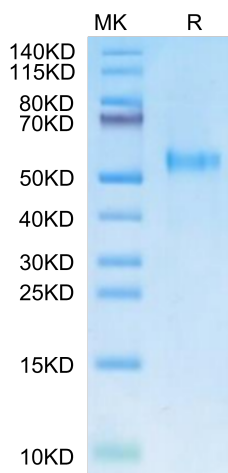
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.  |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

KIR3DL2 is a member of the killer cell immunoglobulin-like receptor (KIR) family that was initially identified at the surface of natural killer (NK) cells. KIR3DL2, also known as CD158k, is expressed as a disulfide-linked homodimer. Each chain is composed of three immunoglobulin-like domains and a long cytoplasmic tail containing two immunoreceptor tyrosine-based inhibitory motifs.

## Assay Data

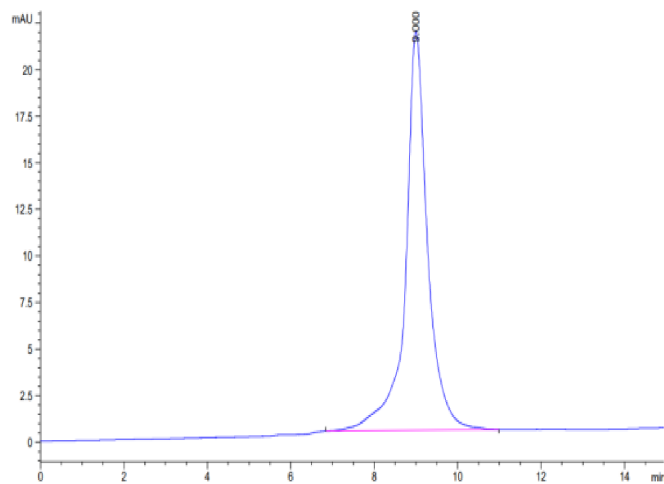
### Tris-Bis PAGE



Rhesus macaque KIR3DL2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Rhesus macaque KIR3DL2 is greater than 95% as determined by SEC-HPLC.