

# Human KIR2DL4/CD158d Protein

Cat. No. KIR-HM2L4

## Description

<b>Source</b>	Recombinant Human KIR2DL4/CD158d Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Trp22-His242.
<b>Accession</b>	Q99706-1
<b>Molecular Weight</b>	The protein has a predicted MW of 50.24 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 90% as determined by Tris-Bis PAGE

## Formulation and Storage

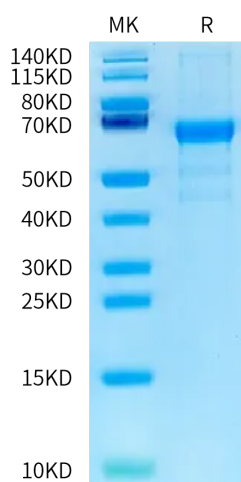
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in 20mM PB, 500mM NaCl, 200mM L-Arginine (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

KIR2DL4 is an unusual killer cell immunoglobulin-like receptor (KIR) family member in terms of its structure, expression, cellular localization, and signaling properties. The most conserved KIR in evolution, it is referred to as a framework KIR gene and is expressed by all natural killer (NK) cells and a subset of T cells.

## Assay Data

### Tris-Bis PAGE

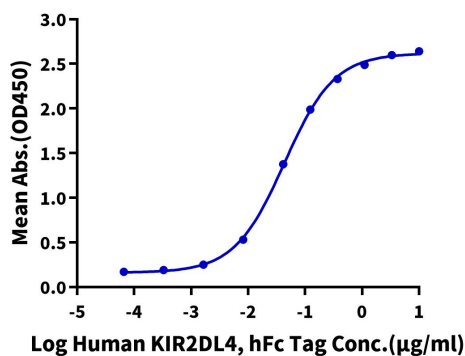


Human KIR2DL4 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

### ELISA Data

#### Human KIR2DL4, hFc Tag ELISA

0.5 $\mu\text{g}$  Human HLA-G Free Heavy Chain, His Tag Per Well



Immobilized Human HLA-G Free Heavy Chain, His Tag at 5 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}/\text{well}$ ) on the plate. Dose response curve for Human KIR2DL4, hFc Tag with the EC50 of 43.4ng/ml determined by ELISA.