

## KIR3DL2 Protein, Human, Recombinant (His & Avi), Biotinylated

### General Information

Protein Construction: Leu22-Leu339

Species: Human

Expression Host: HEK293 Cells

Accession: P43630-1

Molecular Weight: 37.9 kDa (Predicted); 35-45 kDa and 55-70 kDa (Reducing condition, due to glycosylation)

### QC Testing

Biological Activity: Immobilized Biotinylated Human KIR3DL2, His Avi Tag at 1 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-KIR3DL2 Antibody, hFc Tag with the EC50 of 16.1 ng/ml determined by ELISA (QC Test).

Purity: > 95% as determined by Bis-Tris PAGE

Endotoxin: < 1 EU/µg of the protein as determined by the LAL method.

Formulation: Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein 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.

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