

Biotinylated Human ULBP-1 Protein

Cat. No. ULB-HM4P1B

Description

Source	Recombinant Biotinylated Human ULBP-1 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Gly26-Pro215.
Accession	Q9BZM6
Molecular Weight	The protein has a predicted MW of 25.2 kDa. Due to glycosylation, the protein migrates to 28-35 kDa 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

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in 20mM PB, 0.5M NaCl, 0.1M L-arginine (pH 8.0). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

Cell surface proteins major histocompatibility complex (MHC) class I-related chain A (MICA) and UL16-binding proteins (ULBP) 1, 2, and 3 are up-regulated upon infection or tumor transformation and can activate human natural killer (NK) cells.

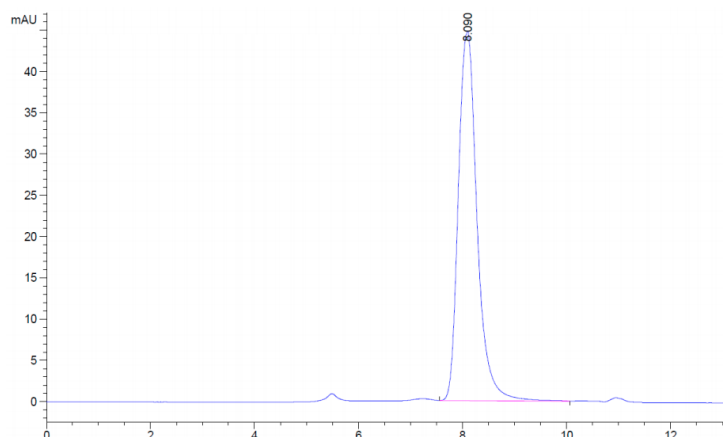
Assay Data

Tris-Bis PAGE



Biotinylated Human ULBP-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human ULBP-1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

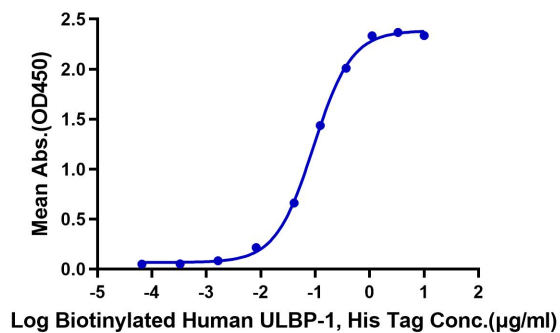
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Biotinylated Human ULBP-1, His Tag ELISA

0.2µg Human NKG2D, hFc Tag Per Well



Immobilized Human NKG2D, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human ULBP-1, His Tag with the EC50 of 93.2ng/ml determined by ELISA.