

Human PRLR Protein

Cat. No. PLR-HM201



Description

Source	Recombinant Human PRLR Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Gln25-Asp234.
Accession	P16471-1
Molecular Weight	The protein has a predicted MW of 50.36 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

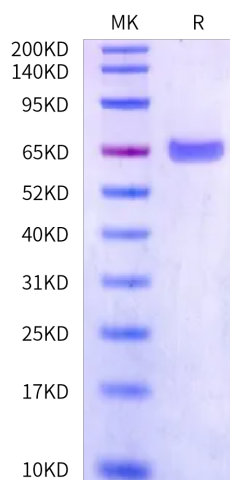
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Prolactin receptor (PRLR) is highly expressed in a subset of human breast cancer and prostate cancer, which makes it a potential target for cancer treatment. In clinical trials, the blockade of PRLR was shown to be safe but with poor efficacy. It is therefore urgent to develop new therapies against PRLR target. Bispecific antibodies (BsAbs) could guide immune cells toward tumor cells, and produced remarkable effects in some cancers.

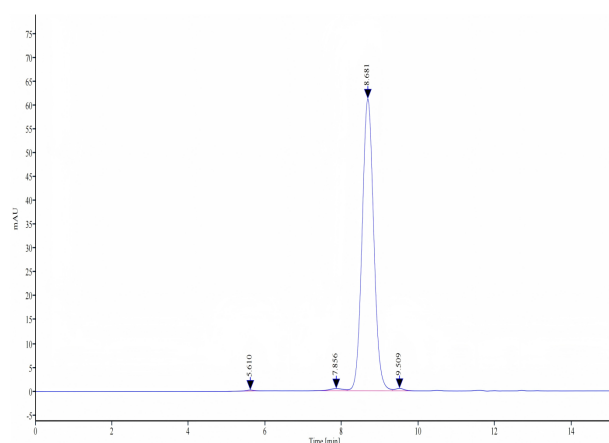
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



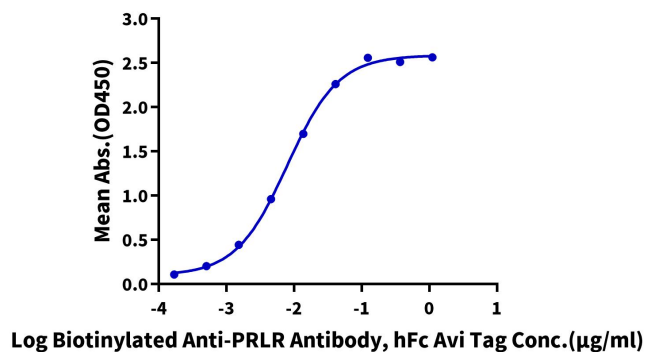
The purity of Human PRLR is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human PRLR, hFc Tag ELISA

0.1µg Human PRLR, hFc Tag Per Well



Immobilized Human PRLR, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-PRLR Antibody, hFc Avi Tag with the EC50 of 7.9ng/ml determined by ELISA.