

Canine PRLR Protein

Cat. No.    PLR-DM201



| Description      |                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Canine PRLR Protein is expressed from HEK293 with hFc tag at the C-Terminus.<br>It contains Gln25-Thr235.               |
| Accession        | XM_038663941.1                                                                                                                      |
| Molecular Weight | The protein has a predicted MW of 53.89 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Bis-Tris PAGE result. |
| Endotoxin        | Less than 1 EU per µg by the LAL method.                                                                                            |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC                                                                 |

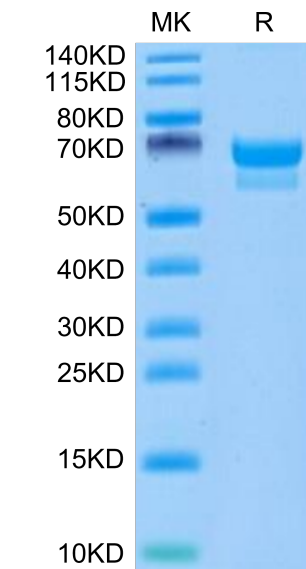
| Formulation and Storage |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation             | Lyophilized from 0.22µm 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

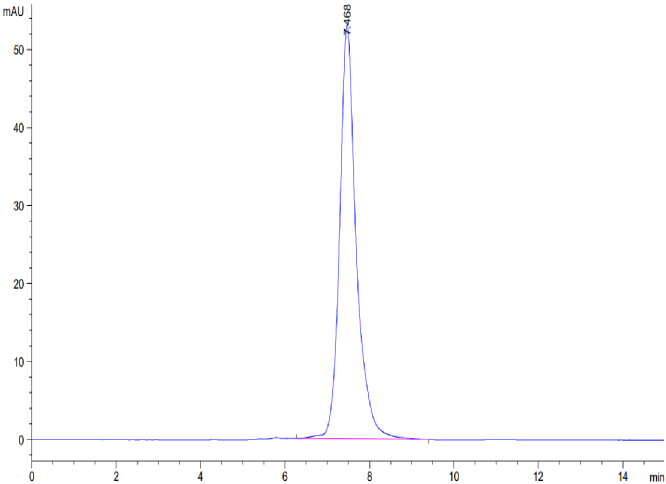
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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