

Recombinant Human PVRIG Protein

Catalog No.: RP02717 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	79037	Q6DKI7-1

Tags

C-mFc

Synonyms

C7orf15; CD112R; MGC104322;
MGC138297; MGC2463; PVRIG;
ALS2CR18; ALS2CR9; LPD; PREL-2;
PREL2; RalGDS/AF-6; RMO1

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Human PVRIG (poliovirus receptor related immunoglobulin domain-containing protein), also known as CD112 receptor (CD112R), is an approximately 34 kDa single transmembrane protein in the poliovirus receptor-like protein (PVR) family. PVRIG is a cell surface receptor for NECTIN2. May act as a coinhibitory receptor that suppresses T-cell receptor-mediated signals. Following interaction with NECTIN2, inhibits T-cell proliferation. Competes with CD226 for NECTIN2-binding.

Basic Information

Description

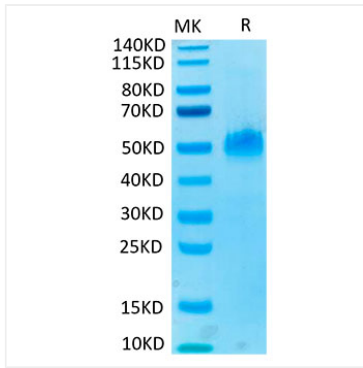
Recombinant Human PVRIG Protein is expressed from Expi293 with mFc tag at the C-terminal. It contains Thr41-Asp171.

Bio-Activity

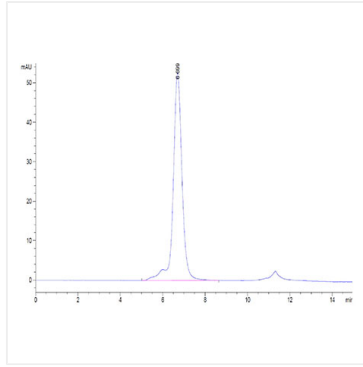
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

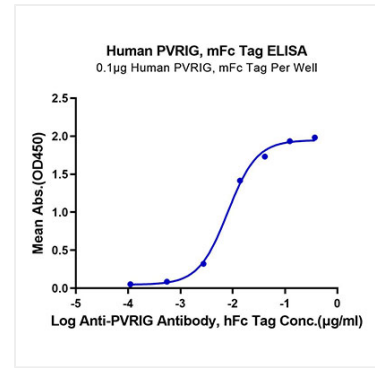
Validation Data



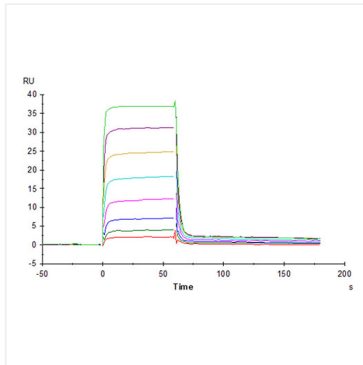
Human PVRIG on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



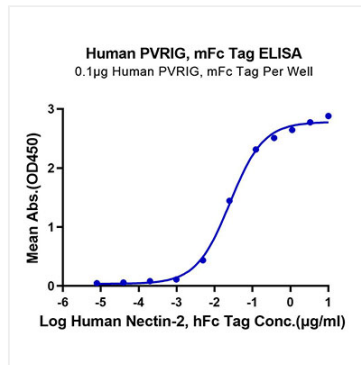
The purity of Human PVRIG is greater than 95% as determined by SEC-HPLC.



Immobilized Human PVRIG, mFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-PVRIG Antibody, hFc Tag with the EC_{50} of 8.0ng/ml determined by ELISA.



Human PVRIG, mFc Tag captured on CM5 Chip via Anti-Mouse Antibody can bind Human Nectin-2, His Tag with an affinity constant of 0.349 µM as determined in SPR assay (Biacore T200).



Immobilized Human PVRIG, mFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human Nectin-2, hFc Tag with the EC_{50} of 25.4ng/ml determined by ELISA.