

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	PVRIG
Synonyms	C7orf15; CD112R
Description	Human PVRIG full length protein-synthetic nanodisc
Uniprot ID	Q6DKI7
Protein Families	Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length PVRIG protein has a MW of 34.3 kDa
Delivery	In Stock
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate PVRIG-Nanodisc
 0.2µg Human PVRIG-Nanodisc per well

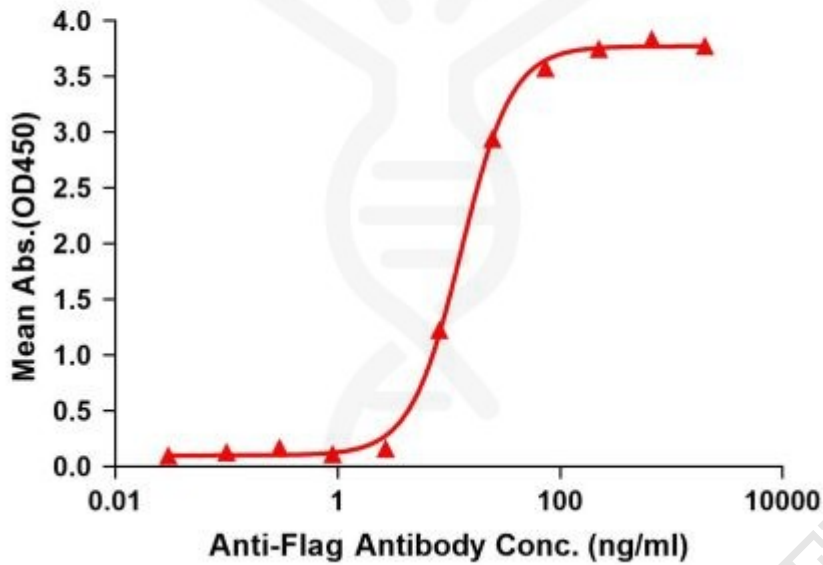


Figure1. Elisa plates were pre-coated with Flag Tag PVRIG-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with PVRIG-Nanodisc is 12.91ng/ml.



Figure2. WB analysis of Human PVRIG-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution

