

HUMAN F2RL1 FULL LENGTH PROTEIN

Cat.#: 11018

Product Name: Human F2RL1 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: GPR11; PAR2

Target: F2RL1

UNIPROT ID: P55085

Description: Human F2RL1 full length protein-synthetic nanodisc

Background: A member of the G-protein coupled receptor 1 family of proteins. The encoded cell surface receptor is activated through proteolytic cleavage of its extracellular amino terminus, resulting in a new amino terminus that acts as a tethered ligand that binds to an extracellular loop domain. Activation of the receptor has been shown to stimulate vascular smooth muscle relaxation, dilate blood vessels, increase blood flow, and lower blood pressure. This protein is also important in the inflammatory response, as well as innate and adaptive immunity.

Species/Host: HEK293

Molecular Weight: The human full length F2RL1 protein has a MW of 44.1 kDa

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.

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.

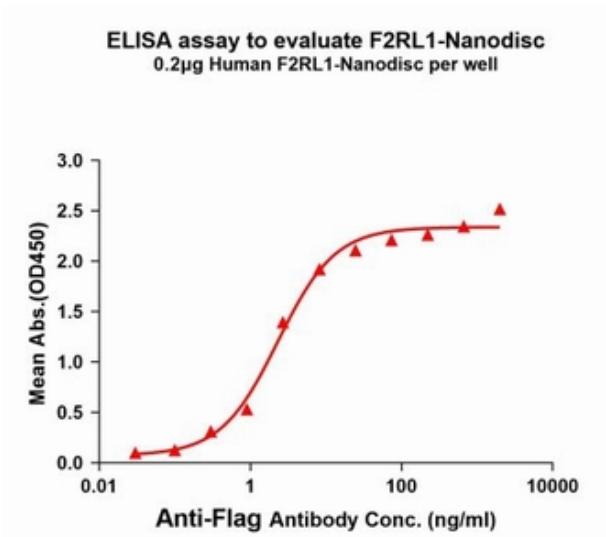


Figure1. Elisa plates were pre-coated with Flag Tag F2RL1-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with F2RL1-Nanodisc is 2.32ng/ml.

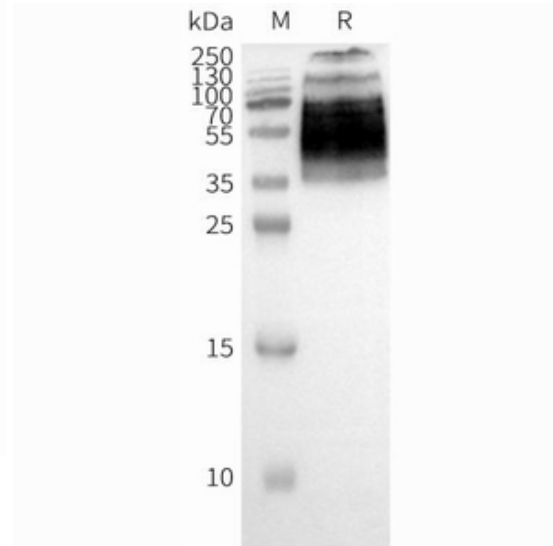


Figure2. WB analysis of Human F2RL1-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution