

PVRIG Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P78343
Synonyms:	C7orf15; CD112R; MGC104322; MGC138297; MGC2463; PVRIG; ALS2CR18; ALS2CR9; LPD; PREL-2; PREL2; RalGDS/AF-6; RMO1
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5WVV8 (T41-D171)
Gene ID:	102127364
Molecular Weight:	50-60 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus PVRIG, hFc Tag at 0.1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-PVRIG Antibody, hFc Tag with the EC ₅₀ of 5.4ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PVRIG (PVR-related immunoglobulin domain-containing) protein is identified as a cell surface receptor for NECTIN2, functioning as a potential coinhibitory receptor that dampens T-cell receptor-mediated signals. Upon interacting with NECTIN2, PVRIG exerts its inhibitory effect by suppressing T-cell proliferation. Notably, PVRIG engages in a competitive binding scenario with CD226 for NECTIN2, implying a regulatory role in immune responses where it competes with an activating receptor. This competitive interaction with CD226 underscores PVRIG's involvement in modulating the delicate balance between activating and inhibitory signals during T-cell activation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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