

PVRIG (E9X9B) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H	Endogenous	30-40	Rabbit IgG	#Q6DKI7	79037

Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:200

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Specificity/Sensitivity

PVRIG (E9X9B) Rabbit mAb recognizes endogenous levels of total PVRIG protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val325 of human PVRIG protein.

Background

Poliovirus Receptor-Related Immunoglobulin Domain-Containing Protein (PVRIG; also known as CD112 receptor) is a multiple transmembrane protein expressed on the surface of T cells and NK cells, predominantly on memory and effector CD8⁺ T cells. PVRIG expression is upregulated after *in vitro* T cell activation with anti-CD3 and anti-CD28 antibodies. PVRIG competes with DNAM-1/CD226 for interaction with the receptor ligand Nectin-2. Upon ligation of PVRIG and Nectin-2, T cell proliferation is inhibited, suggesting PVRIG is a co-inhibitory receptor that dampens T cell functions (1).

Background References

1. Zhu, Y. et al. (2016) *J Exp Med* 213, 167-76.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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