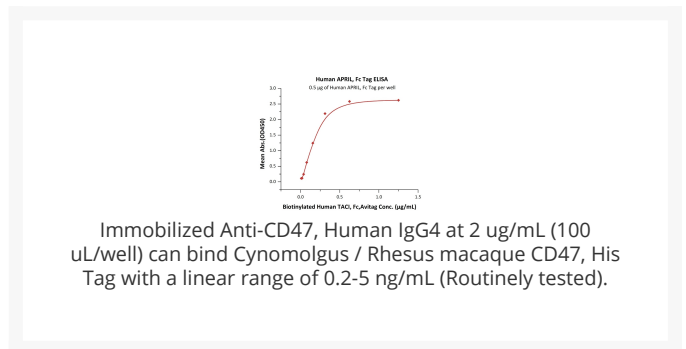
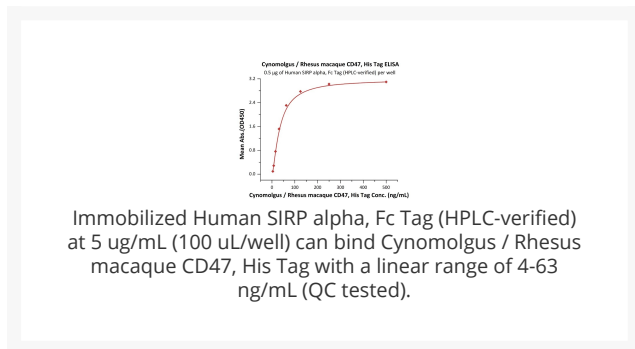
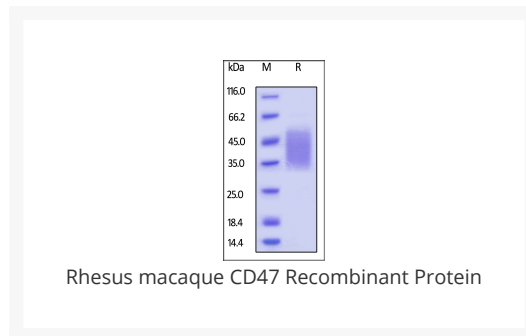




Rhesus macaque CD47 Recombinant Protein

Cat. No.: 11-536



Ψ Specifications

SPECIES:	Cynomolgus, Rhesus macaque
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Gln 19 - Glu 141
FUSION TAG:	His Tag
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 15.8 kDa. The protein migrates as 30-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

PREDICTED MOLECULAR WEIGHT:	15.8 kDa
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Ψ Properties

PURITY:	>95% as determined by SDS-PAGE.
PHYSICAL STATE:	Lyophilized
BUFFER:	PBS, pH7.4
STORAGE CONDITIONS:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

Ψ Additional Info

OFFICIAL SYMBOL:	CD47
ALTERNATE NAMES:	CD47, MER6, IAP, OA3
ACCESSION NO.:	NP_001253446.1
GENE ID:	704980

Ψ Background and References

BACKGROUND:	Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.
REFERENCES:	1) Lindberg F.P., et al., 1993, J. Cell Biol. 123:485-496.
	2) Latour S., et al., 2001, J. Immunol. 167:2547-2554.
	3) Piccio L., et al., 2005, Blood 105:2421-2427.

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