Recombinant Cynomolgus SIRP-alpha/CD172a Protein

RPCB1587

Protein Information

Size:	100 µg	**Tag:**	C-His
Reactivity:	Cynomolgus	**Expressed Host:**	HEK293 cells
Calculated MW:	38.2 kDa	**Observerd MW:**	60-70 kDa

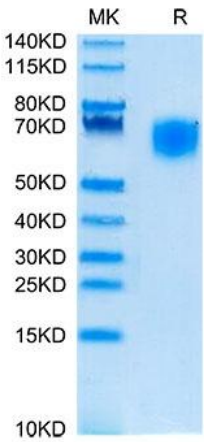
Background

Signal regulatory protein α (SIRPα) is a regulatory membrane glycoprotein from SIRP family expressed mainly by myeloid cells and also by stem cells or neurons.SIRPα acts as inhibitory receptor and interacts with a broadly expressed transmembrane protein CD47 also called the "don't eat me" signal.Cancer cells highly expressed CD47 that activate SIRP α and inhibit macrophage-mediated destruction.

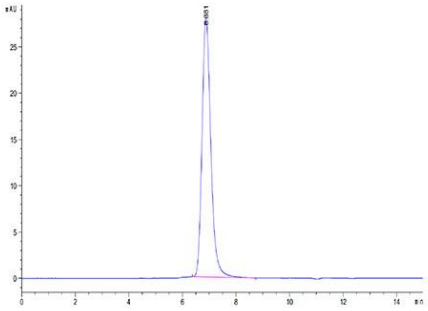
Properties

Synonyms:	CD172a, BIT, MFR, MYD1, MYD-1, P84, PTPNS1, SHP substrate 1, SHPS1, SHPS-1, SHPS1CD172A, SIRP alpha, SIRPA, Sirp-alpha-1, SIRPalpha2, Sirp-alpha-2, Sirp-alpha-3
Gene ID:	101926317
Endotoxin:	< 1 EU/μg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Cynomolgus SIRP-alpha/CD172a Protein (RPCB1587), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

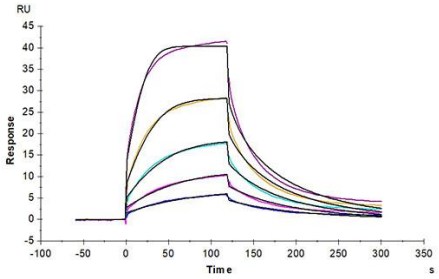
Validation Data



Recombinant Cynomolgus SIRP-alpha/CD172a Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Cynomolgus SIRP alpha is greater than 95% as determined by SEC-HPLC.



Cynomolgus SIRP alpha, His Tag immobilized on CM5 Chip can bind Cynomolgus /Rhesus macaque CD47, His Tag with an affinity constant of 63.27 nM as determined in SPR assay (Biacore T200).