Recombinant Cynomolgus CTLA-4/CD152 Protein

RPCB1945

Protein Information

Size:	100 µg	**Tag:**	C-His
Reactivity:	Cynomolgus	**Expressed Host:**	HEK293 cells
Calculated MW:	14.4 kDa	**Observerd MW:**	25-30 kDa

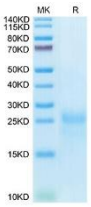
Background

CTLA-4 (cytotoxic T-lymphocyte-associated protein 4), also known as CD152, is a protein receptor that, functioning as an immune checkpoint, downregulates immune responses.CTLA4 is constitutively expressed in regulatory T cells but only upregulated in conventional T cells after activation – a phenomenon which is particularly notable in cancers. It acts as an "off" switch when bound to CD80 or CD86 on the surface of antigen-presenting cells.

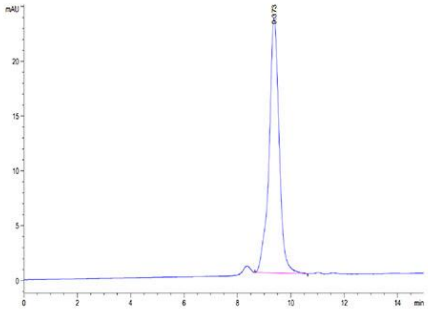
Properties

Synonyms:	CTLA4, CD152, ICOS, CELIAC3, GRD4, GSE, ALPS5, IDDM12
Gene ID:	102115124
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Cynomolgus CTLA-4/CD152 Protein (RPCB1945), 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.

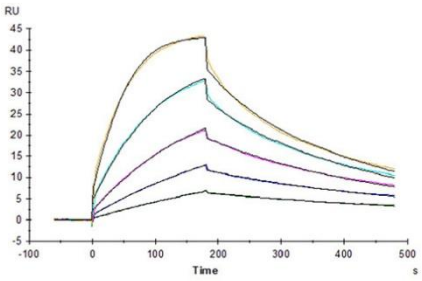
Validation Data



Recombinant Cynomolgus CTLA-4/CD152 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Cynomolgus CTLA-4 is greater than 95% as determined by SEC-HPLC.



Cynomolgus B7-1, His Tag immobilized on CM5 Chip can bind Cynomolgus CTLA-4, His Tag with an affinity constant of 9.90 nM as determined in SPR assay (Biacore T200).