

Anti-CTLA4 & PD-1 Reference Antibody (Volrustomig)

Catalog # APR11603

Product Information

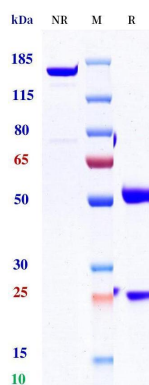
Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P16410 & Q15116
Reactivity	Human
Clonality	Bispecific
Isotype	IgG-like

Additional Information

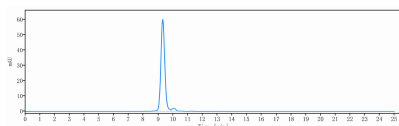
Target/Specificity	CTLA-4 / CD152, PDCD1 / PD-1 / CD279
Expression system	CHO

Protein Information

Images

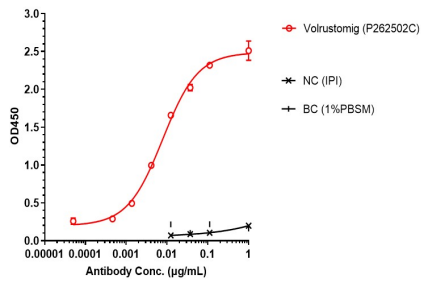


Anti-CTLA4 & PD-1 Reference Antibody (Volrustomig) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

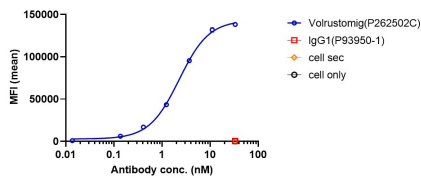
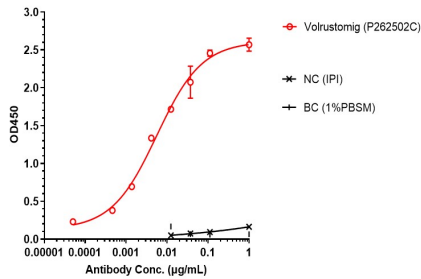


The purity of Anti-CTLA4 & PD-1 Reference Antibody (Volrustomig) is 98.99%, determined by SEC-HPLC.

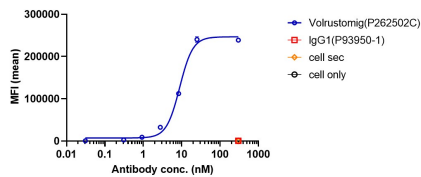
Volrustomig bound to CTLA4 protein, and then rebounded to secondary antibodies (Anti-human-IgG-Fc-HRP), and read OD450. As shown in fig, Volrustomig bound to huCTLA4-His, and the EC50 was 0.008 nM.



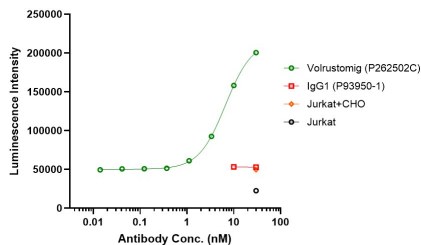
Volrustomig bound to PD-1 protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig, Volrustomig bound to hu-PD-1-His, and the EC50 was 0.006 nM.



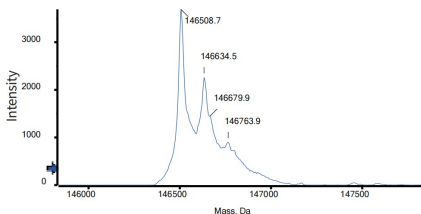
Volrustomig bound to huPD-1-Jurkat cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcy PE) , and test by flow cytometry. As shown in fig, Volrustomig bound to huPD-1-Jurkat cells, and the EC50 was 2.279 nM.



Volrustomig bound to huCD40-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcy PE) , and test by flow cytometry. As shown in fig, Volrustomig bound to huCD40-CHO-K cells, and the EC50 was 8.874 nM.



Co-incubation of Volrustomig with PD-1-NF-AT-Jurkat and CD3L-huPD-L1-CHO-K cells and incubated for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Volrustomig was able to block the PD-1/PD-L1 signaling pathway, and the EC50 was 6.643 nM.



The detected molecular weight of Anti-CTLA4 & PD-1 Reference Antibody (Volrustomig) is 146.51 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.