

Anti-PD-1 & VEGF Reference Antibody (Ivonescimab)

Catalog # APR11606

Product Information

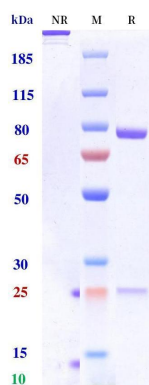
Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q15116 & P15692
Reactivity	Human
Clonality	Bispecific
Isotype	IgG-scFv

Additional Information

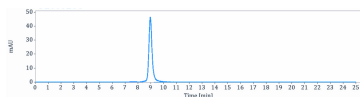
Target/Specificity	PDCD1 / PD-1 / CD279, VEGF
Expression system	CHO

Protein Information

Images

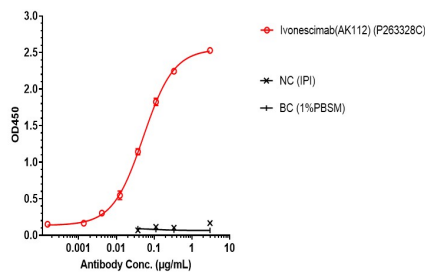


Anti-PD-1 & VEGF Reference Antibody (Ivonescimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

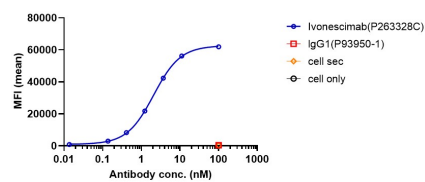
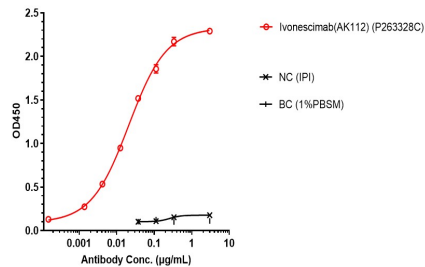


The purity of Anti-PD-1 & VEGF Reference Antibody (Ivonescimab) is 98.33%, determined by SEC-HPLC.

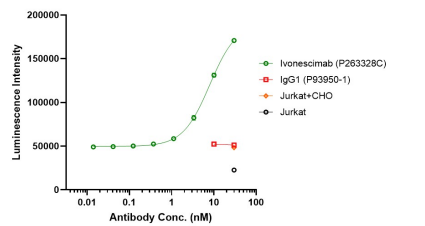
Ivonescimab bound to PD-1 protein, and then rebounded to secondary antibodies (Anti-human-IgG-Fc-HRP), and read OD450. As shown in fig, Ivonescimab bound to huPD-1-His, and the EC50 was 0.051 nM.



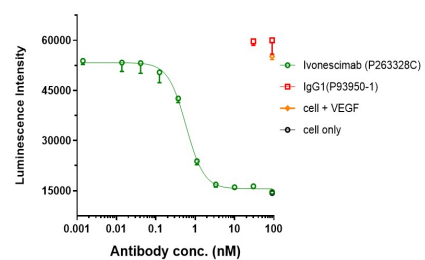
Ivonescimab bound to VEGFA protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig, Ivonescimab bound to huVEGFA-His, and the EC50 was 0.021 nM.



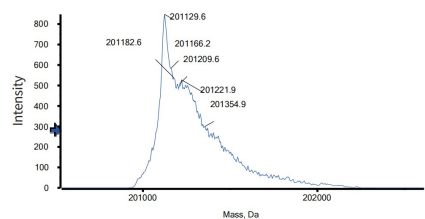
Ivonescimab bound to huPD-1-Jurkat cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcy PE) , and test by flow cytometry. As shown in fig, Ivonescimab bound to huPD-1-Jurkat cells, and the EC50 was 6.274 nM.



Co-incubation of Ivonescimab 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, Ivonescimab was able to block the PD-1/PD-L1 signaling pathway, and the EC50 was 7.957 nM.



Co-incubation of Ivonescimab with VEGF protein, then with the addition of VEGF-NF-AT-HEK293 cells and incubated for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Ivonescimab can neutralize VEGF-165, and the IC50 was 7.957 nM.



The detected molecular weight of Anti-PD-1 & VEGF Reference Antibody (Ivonescimab) is 201.13 kDa.

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