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Anti-LAG-3 & PD-1 Reference Antibody (Emb-02)

Catalog # APR11612

Product Information

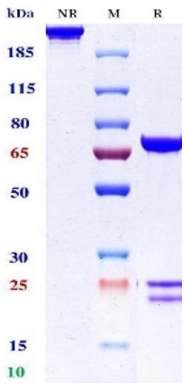
Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P18627 & Q15116
Reactivity	Human
Clonality	Bispecific
Isotype	Fab-IgG

Additional Information

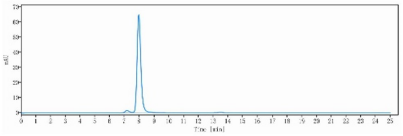
Target/Specificity	PDCD1 / PD-1 / CD279,LAG3 / CD223
Expression system	CHO

Protein Information

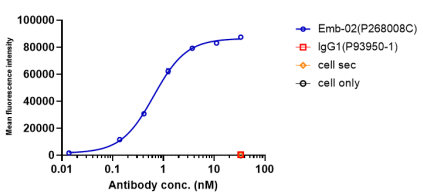
Images



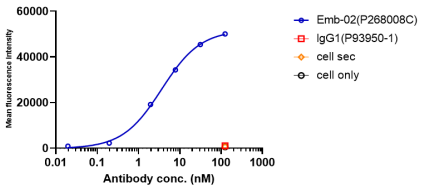
Anti-LAG-3 & PD-1 Reference Antibody (Emb-02) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



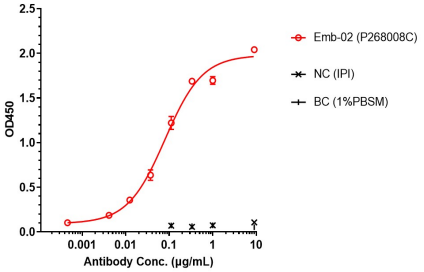
Anti-LAG-3 & PD-1 Reference Antibody (Emb-02) is 97.15%, determined by SEC-HPLC.



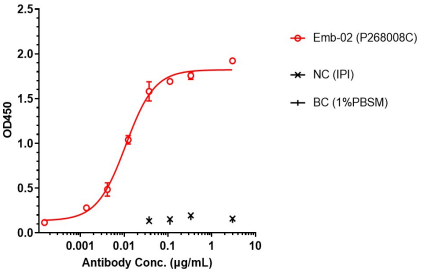
Emb-02 bound to huPD-1-Jurkat cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Emb-02 bound to huPD-1-Jurkat cells, and the EC50 was 0.645 nM.



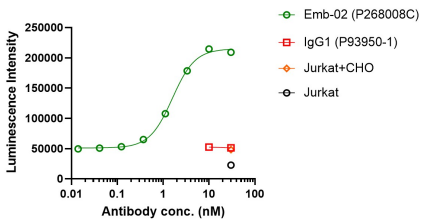
Emb-02 bound to huLAG-3-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcy PE) , and test by flow cytometry. As shown in fig, Emb-02 bound to huLAG-3-CHO-K cells, and the EC50 was 3.630 nM.



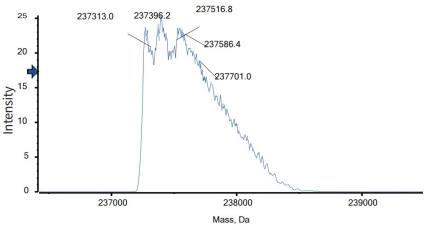
Emb-02 bound to LAG-3 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Emb-02 bound human LAG-3 Protein-His, and the EC50 was 0.080 nM.



Emb-02 bound to PD-1 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Emb-02 bound human PD-1 Protein-His, and the EC50 was 0.011 nM.



Co-incubation of Emb-02 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, Emb-02 was able to block the PD-1/PD-L1 signaling pathway, and the EC50 was 1.585 nM.



The detected molecular weight of Anti-LAG-3 & PD-1 Reference Antibody (Emb-02) is 237.40 kDa.

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