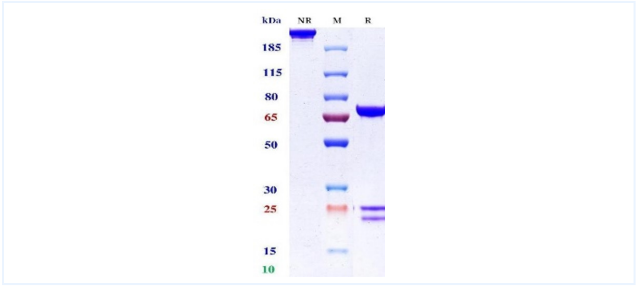
www.bioss.com.cn
400-901-9800
sales@bioss.com.cn
support@bioss.com.cn

Product Details

Product name:	**Anti-LAG-3 & PD-1 (Emb-02 Biosimilar)**	**SKU:**	**BIO1013SM**
Target Name:	**LAG-3 & PD-1**	**Size:**	**100ug/ 1mg/ 5mg**
Target Uniprot:	**P18627 & Q15116**	**Concentration:**	**Lyophilized**
Clone#:	**Emb-02 (Bispecific)**	**Isotype:**	**Fab-IgG**
Reactivity:	**Human**	**Calculated M.W.:**	**237.5 kDa**
Application:	**ELISA, Bioactivity: FACS, Functional assay, Research in vivo**	**Endotoxin:**	**<0.001 EU/ug**
Formulation:	**100 mM Pro-Ac 20mM Arg pH 5.0**	**Conjugation:**	**None**
Storage:	**-20°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.**	**Expression System:**	**CHO**
Reconstitution:	**Dissolve with sterile ddH_2O**	**Purification:**	**Protein A**

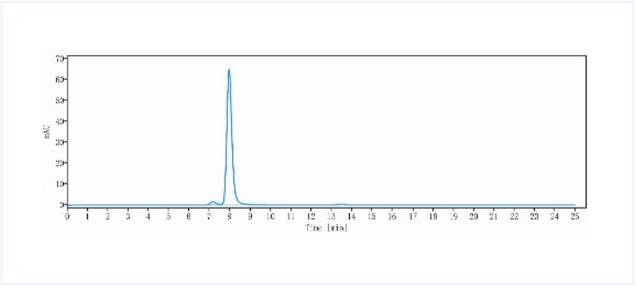
Data

Purity: SDS-PAGE



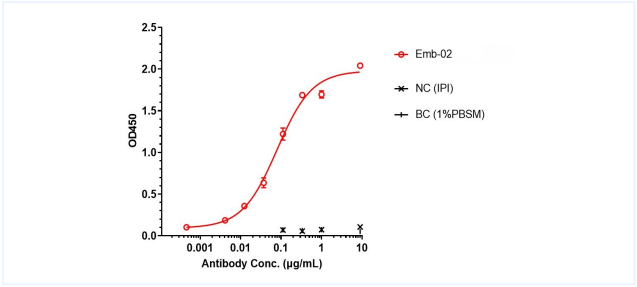
Anti-LAG-3 & PD-1 Reference Antibody (Emb-02) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



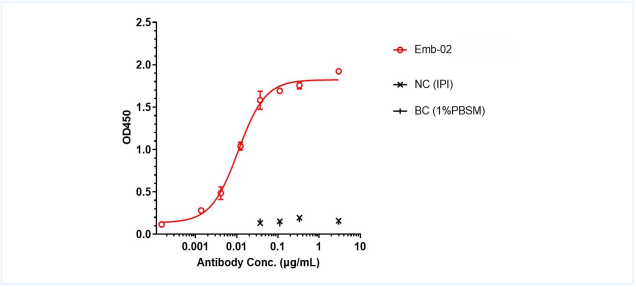
Anti-LAG-3 & PD-1 Reference Antibody (Emb-02) is 97.15%, determined by SEC-HPLC.

ELISA



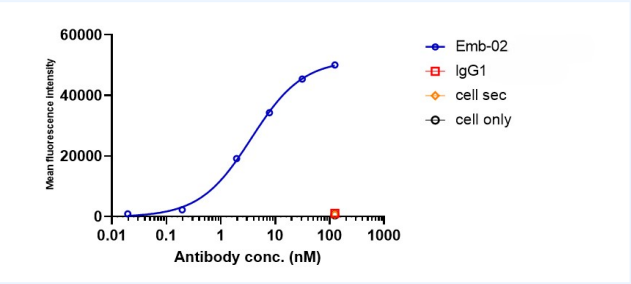
Emb-02 bound to LAG-3 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Emb-02 bound human LAG-3 Protein-His, and the EC50 was 0.080nM.

ELISA



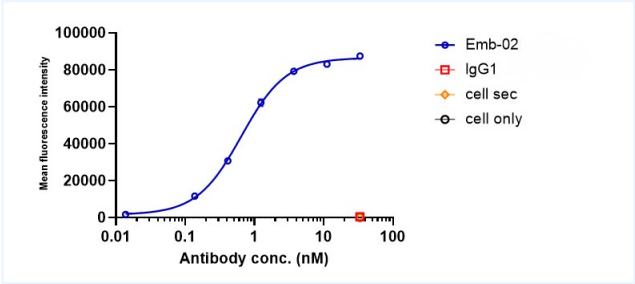
Emb-02 bound to PD-1 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Emb-02 bound human PD-1 Protein-His, and the EC50 was 0.011nM.

Bioactivity: FACS



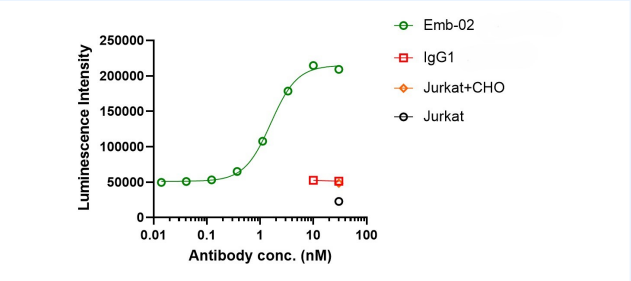
Emb-02 bound to huLAG-3-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Emb-02 bound to huLAG-3-CHO-K cells, and the EC50 was 3.630 nM.

Bioactivity: FACS



Emb-02 bound to huPD-1-Jurkat cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , andest by flow cytometry. As shown in fig, Emb-02 bound to huPD-1-Jurkat cells, and the EC50 was 0 .645 nM.

Function: Luciferase



Co-incubation of Emb-02 with PD-1-NF-AT-Jurkat an 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.