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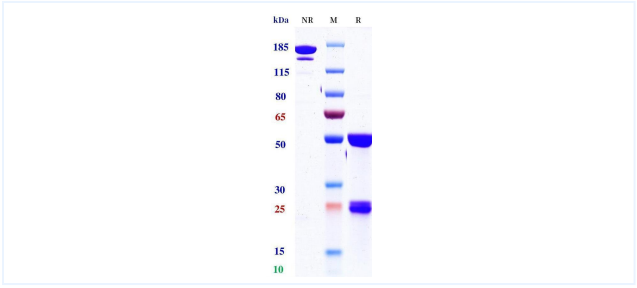
Product Details

Product name:	**Anti-4-1BB & PD-L1 (Acasunlimab Biosimilar)**	**SKU:**	**BIO0997SM**
Target Name:	**4-1BB & PD-L1**	**Size:**	**100ug/ 1mg/ 5mg**
Target Uniprot:	**Q07011 & Q9NZQ7**	**Concentration:**	**Lyophilized**
Clone#:	**Acasunlimab (Bispecific)**	**Isotype:**	**IgG-like**
Reactivity:	**Human**	**Calculated M.W.:**	**144.08 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**

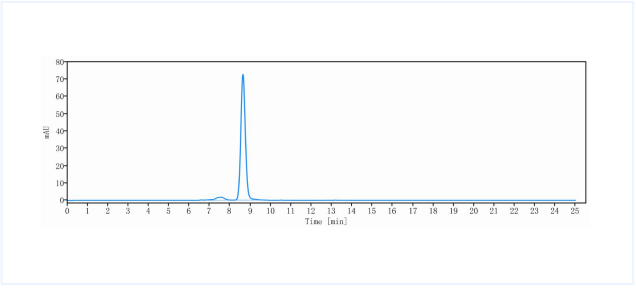
Data

Purity: SDS-PAGE



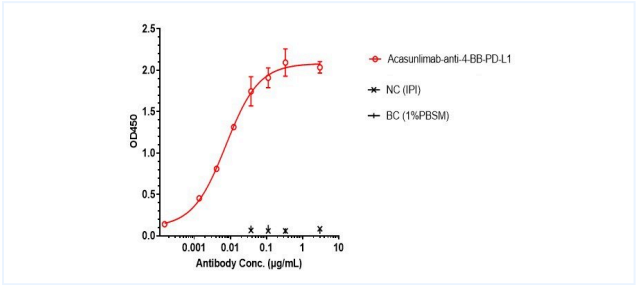
Anti-4-1BB & PD-L1 Reference Antibody (Acasunlimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greaterthan 95%.

Purity: SEC-HPLC



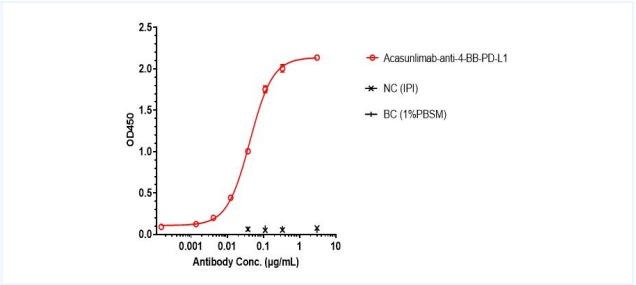
The purity of Anti-4-1BB & PD-L1 Reference Antibody (Acasunlimab)is 94.41%, determined by SEC-HPLC.

ELISA



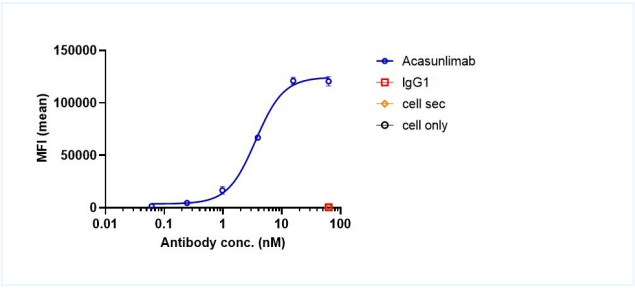
To measure the binding ability of Acasunlimab in hu-4-1BB-His. Acasunlimab bound to 4-1BB protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig, Acasunlimab bound to hu-4-1BB-His, and the EC50 was
0.007 nM.

ELISA



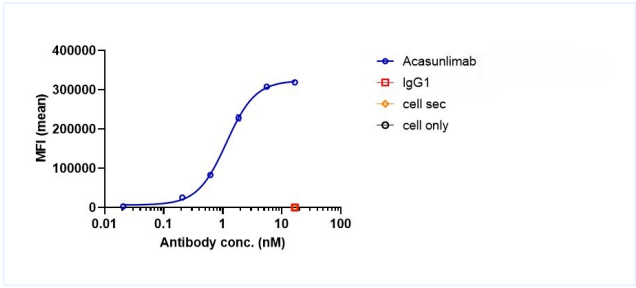
To measure the binding ability of Acasunlimab in hu-PD-L1-His. Acasunlimab bound to PD-L1 protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig, Acasunlimab bound to hu-PD-L1-His, and the EC50 was
0.042 nM.

Bioactivity: FACS



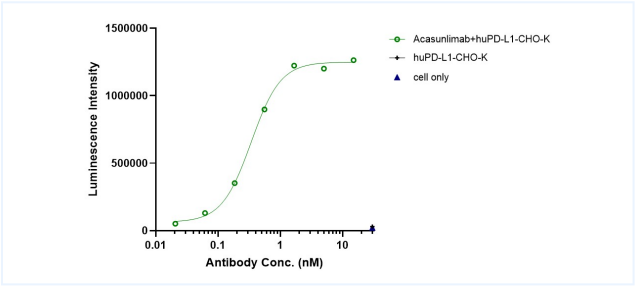
Acasunlimab bound to hu4-1BB-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcγ PE) , andest by flow cytometry. As shown in fig, Acasunlimab bound to hu4-1BB-CHO-K cells, and the EC50 was 3.592 nM.

Bioactivity: FACS



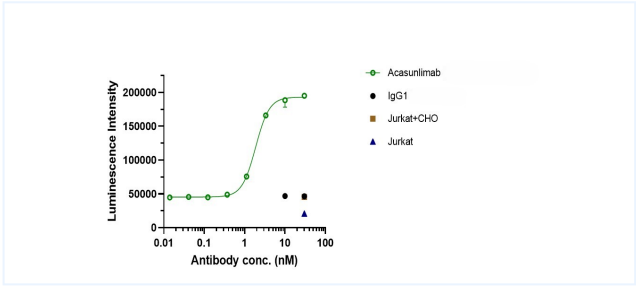
Acasunlimab bound to huPD-L1-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcγ PE) , andest by flow cytometry. As shown in fig, Acasunlimab bound to huPD-L1-CHO-K cells, and the EC50 was 1.153 nM.

Function: Luciferase



Co-incubation of Acasunlimab with 4-1BB-NF-κB-Jurkat cells, then with the addition of huPD-L1-CHO-K cells for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Acasunlimab was able to activate the NF-κB signaling pathway, andhe EC50 was 0.341 nM.

Function: Luciferase



Co-incubation of Acasunlimab with PD-1-NF-AT-Jurkat and CD3L-huPD-L1-CHO-K cells and incubated for 6 hours. Bright-Litewas used to detect the fluorescent signal. As shown in fig, Acasunlimab was able to block the PD-1/PD-L1 signaling pathway,and the EC50 was 1.875 nM.