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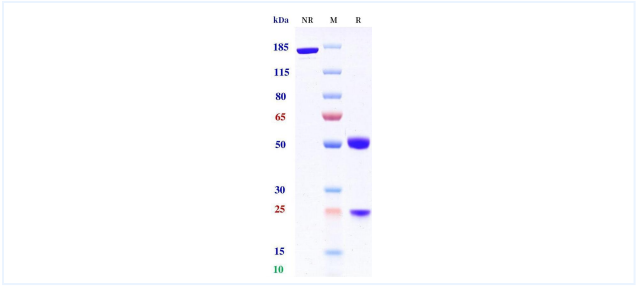
Product Details

Product name:	**Anti-4-1BB & CD40 (Gen1042 Biosimilar)**	**SKU:**	**BIO0983SM**
Target Name:	**4-1BB & CD40**	**Size:**	**100ug/ 1mg/ 5mg**
Target Uniprot:	**Q07011 & P25942**	**Concentration:**	**Lyophilized**
Clone#:	**Gen1042 (Bispecific)**	**Isotype:**	**IgG-like**
Reactivity:	**Human**	**Calculated M.W.:**	**145.37 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 ddH₂O**	**Purification:**	**Protein A**

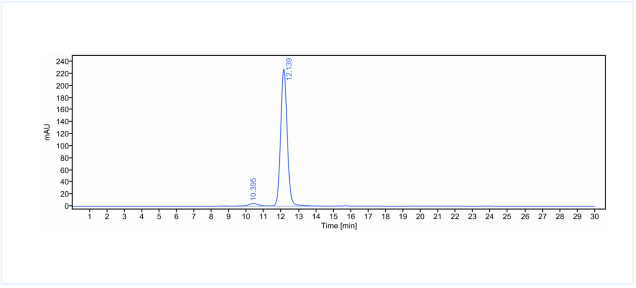
Data

Purity: SDS-PAGE



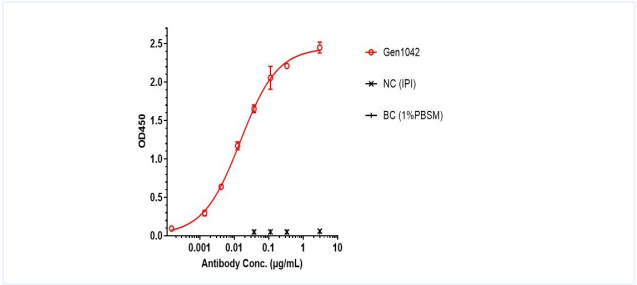
Anti-4-1BB & CD40 Reference Antibody (Gen1042) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



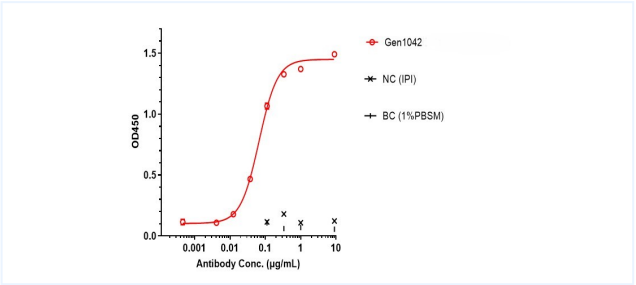
The purity of Anti-4-1BB & CD40 Reference Antibody (Gen1042) is 96.80% , determined by SEC-HPLC.

ELISA



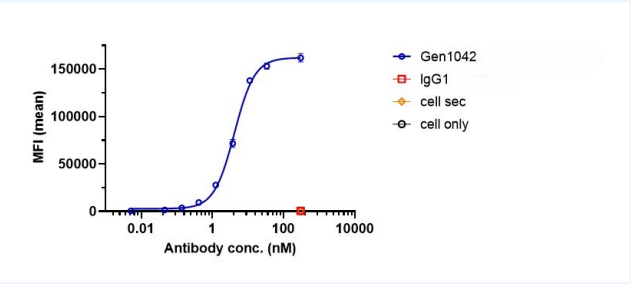
Gen1042 bound to 4-1BB protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig ,Gen1042 bound to hu-4-1BB-His, and the EC50 was 0.015 nM.

ELISA



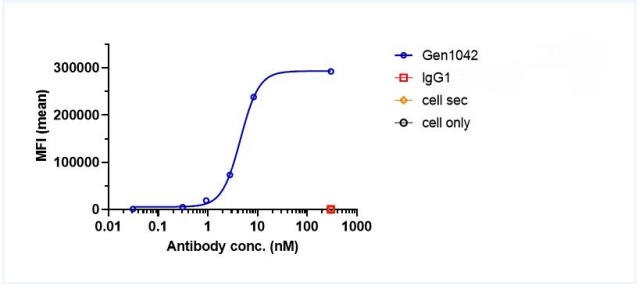
Gen1042 bound to CD40 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig , Gen1042 bound to hu-CD40-His, and the EC50 was 0.066 nM.

Bioactivity: FACS



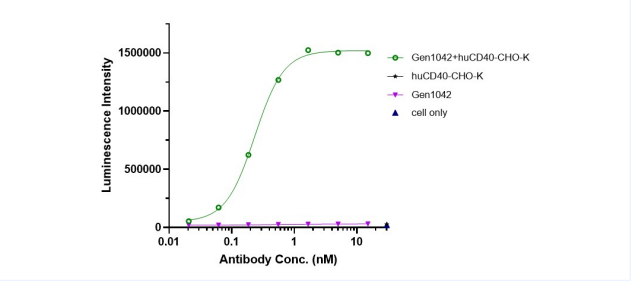
Gen1042 bound to hu4-1BB-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Gen1042 bound to hu4-1BB-CHO-K cells, and the EC50 was 4.119 nM.

Bioactivity: FACS



Gen1042 bound to huCD40-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Gen1042 bound to huCD40-CHO-K cells, and the EC50 was 4.535 nM.

Function: Luciferase



Co-incubation of Gen1042 with 4-1BB-NF-κB-Jurkat cells, then withthe addition of huCD40-CHO-K cells for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Gen1042 was able to activate the NF-κB signaling pathway, and the EC50 was 0.234 nM.