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Product Details

| Product name:	Anti-B7-H4 & CD3 (Gen1047 Biosimilar)	SKU:	BIO0995SM
Target Name:	B7-H4 & CD3	Size:	100ug/ 1mg/ 5mg
Target Uniprot:	Q7Z7D3 & P07766	Concentration:	Lyophilized
Clone#:	Gen1047 (Bispecific)	Isotype:	IgG-like
Reactivity:	Human	Calculated M.W.:	144.48 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
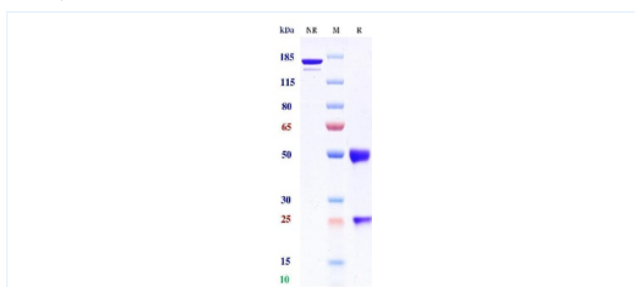
Anti-B7-H4 & CD3 Reference Antibody (Gen1047) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.
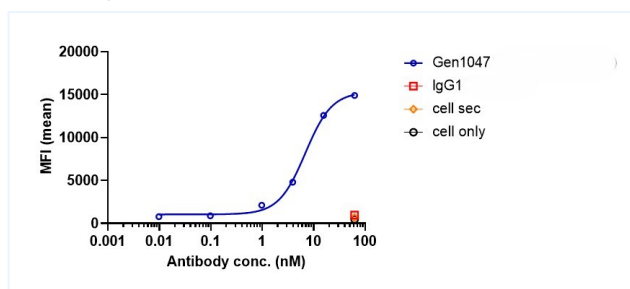
Purity: SEC-HPLC
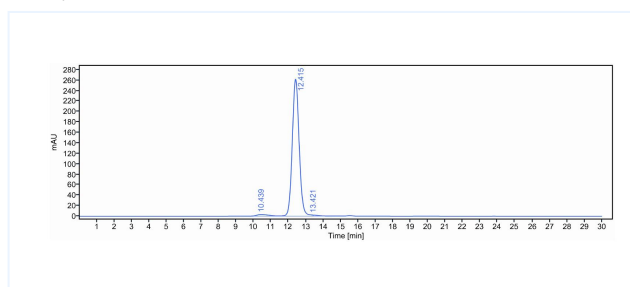
The purity of Anti-B7-H4 & CD3 Reference Antibody (Gen1047) is 97.20% , determined by SEC-HPLC.

ELISA
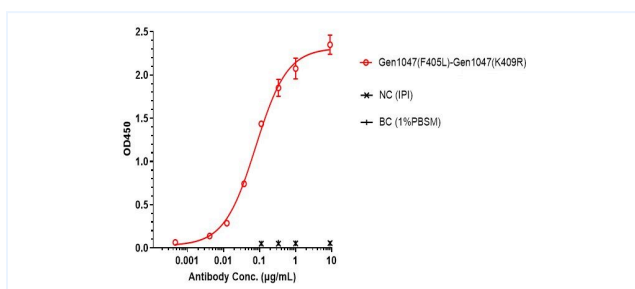
Gen1047 bound to B7-H4 protein, and then rebounded to secondary antibodies (Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Gen1047 bound human B7-H4 Protein-His, and the EC50 was 0.07805 nM.
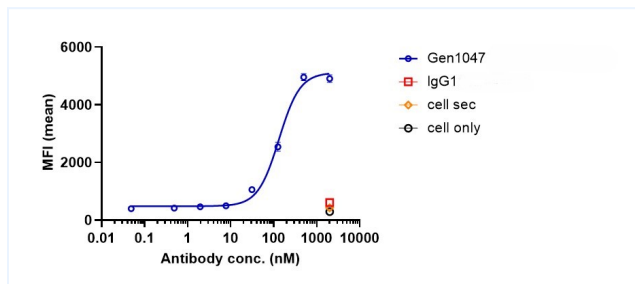
Bioactivity: FACS

Gen1047 bound to huB7-H4 CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Gen1047 bound to huB7-H4 CHO-K cells, and the EC50 was 6.894 nM.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Bioactivity: FACS

Gen1047 bound to huCD3e-jurkat cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcγ PE) , and test by flow cytometry . As shown in fig, Gen1047 bound to huCD3e-jurkat cells, and the EC50 was 132.600 nM.

Function: Luciferase
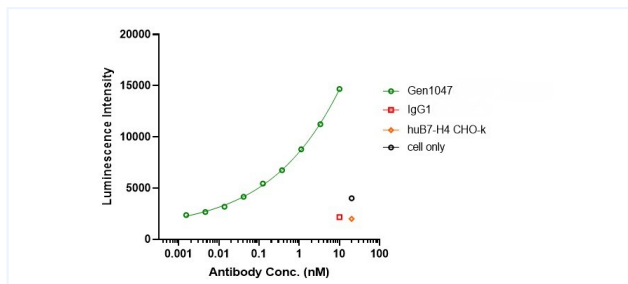
Co-incubation of Gen1047 with Jurkat cells, then with the addition of huB7H4 CHO-k cells for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Gen1047 was able to activate the NF-AT signaling pathway.