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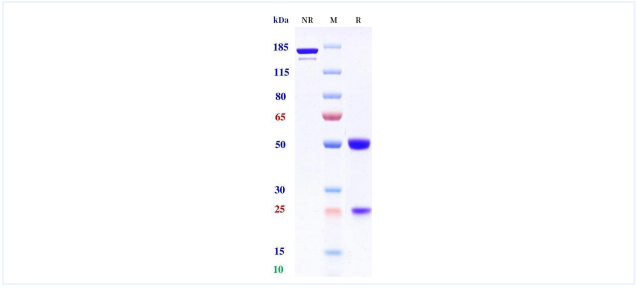
Product Details

Product name:	**Anti-CD3 & TPBG (Gen1044 Biosimilar)**	**SKU:**	**BIO0986SM**
Target Name:	**CD3 & TPBG**	**Size:**	**100ug/ 1mg/ 5mg**
Target Uniprot:	**P07766**	**Concentration:**	**Lyophilized**
Clone#:	**Gen1044 (Bispecific)**	**Isotype:**	**IgG-like**
Reactivity:	**Human**	**Calculated M.W.:**	**145.22 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**

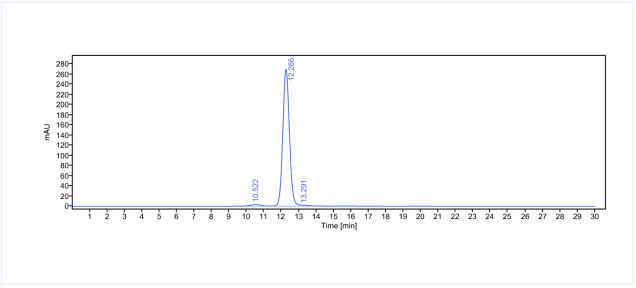
Data

Purity: SDS-PAGE



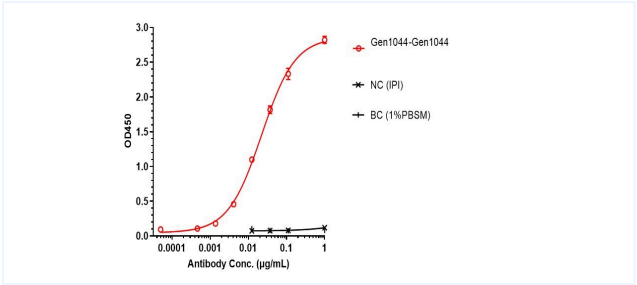
Anti-CD3 & TPBG Reference Antibody (Gen1044) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



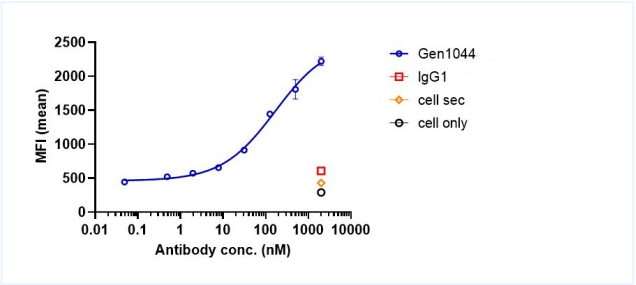
The purity of Anti-CD3 & TPBG Reference Antibody (Gen1044) is 97.30 %, determined by SEC-HPLC.

ELISA



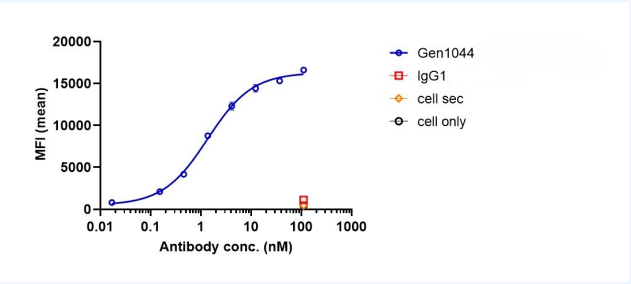
Gen1044 bound to TPBG protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig,Gen1044 bound to huTPBG-His, and the EC50 was 0.022 nM.

Bioactivity: FACS



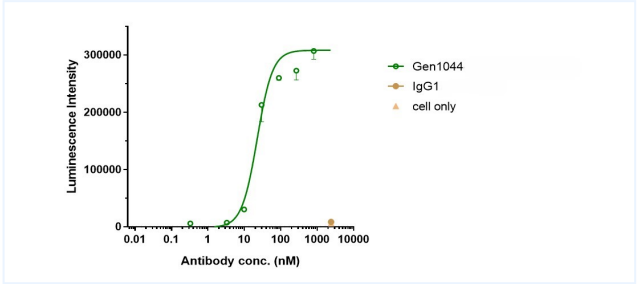
Gen1044 bound to MDA-MB-231 cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcγ PE) , andest by flow cytometry. As shown in fig, Gen1044 bound to MDA-MB-231 cells, and the EC50 was 1.367nM.

Bioactivity: FACS



Gen1044 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, Gen1044 bound to huCD3e-jurkat cells, and the EC50 was 168.700 nM.

Function: Luciferase



Plated and cultivated Gen1044 at 4℃ overnight, then with the addition of NF-AT-Jurkat cells for 6 hours. Bright-Lite was used to detect the fluorescent signal.As shown in fig, Gen1044 was able to activate the NF-AT signaling pathway, and the EC50 was 22.560 nM.