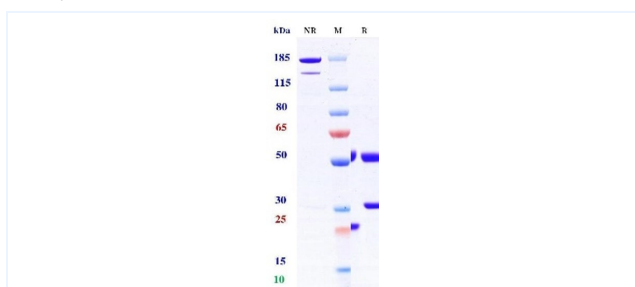


Product Details

Product name:	Anti-IL-17 & TNF-alpha (COVA322 Biosimilar)	SKU:	BIO0991SM
Target Name:	IL-17 & TNF-alpha	Size:	100ug/ 1mg/ 5mg
Target Uniprot:	Q16552-1 & P01375	Concentration:	Lyophilized
Clone#:	COVA322 (Bispecific)	Isotype:	IgG-VHH
Reactivity:	Human	Calculated M.W.:	161.9 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

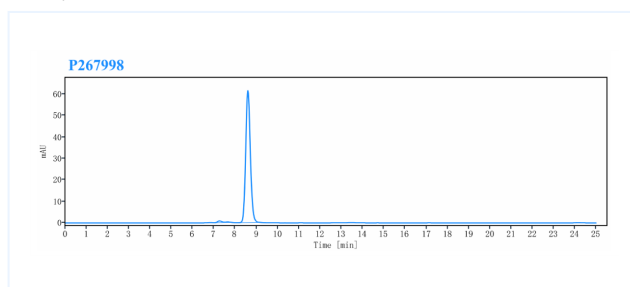
Data

Purity: SDS-PAGE



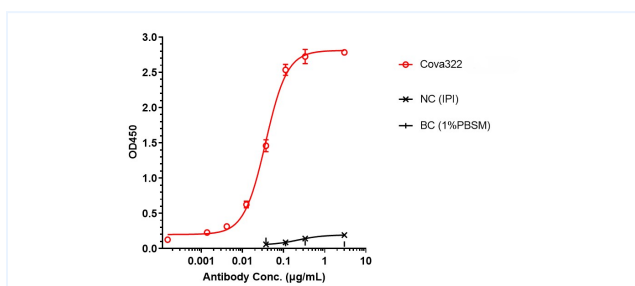
Anti-IL-17 & TNF-alpha Reference Antibody (COVA322) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



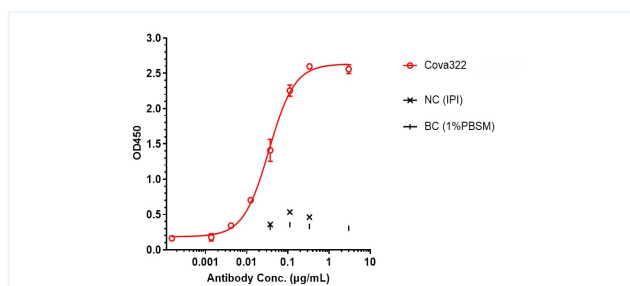
The purity of Anti-IL-17 & TNF-alpha Reference Antibody (COVA322) is 98.28%, determined by SEC-HPLC.

ELISA



COVA322 bound to CTLA-8 / IL-17a protein, and then rebounded to secondary antibodies (Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, COVA322 bound human CTLA-8 / IL-17a Protein-His, and the EC₅₀ was 0.03639 nM.

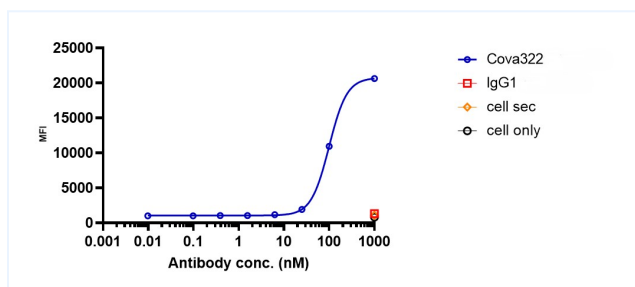
ELISA



COVA322 bound to TNFSF2 / TNFα protein, and then rebounded to secondary antibodies (Anti-Human-κ+λ-HRP), and read OD450. As shown in fig, COVA322 bound TNFSF2 / TNFα, and the EC₅₀ was 0.03458 nM.

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

Bioactivity: FACS



Cova322 bound to HuTNF-a-his/CHO-K(0706-32-15) cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, FcγPE), and test by flow cytometry. As shown in fig, Cova322 bound to HuTNF-a-his/CHO-K(0706-32-15) cells, and the EC50 was 99.590 nM.