



CERTIFICATE OF ANALYSIS

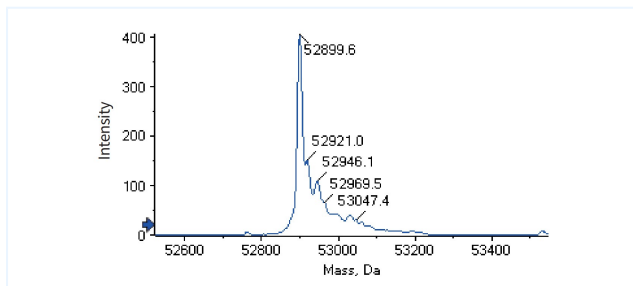


Product Details

Product name:	Anti-CD3e & Mesothelin & Serum Albumin Reference Antibody (Hpn536)	Lot.No.:	P268003
Target:	Mesothelin, CD3e, Serum Albumin / SA / HSA	Catalog:	CHBA035
Target Accession:	P07766 & P02768	Concentration :	1 mg/mL
Clonality:	Bispecific	Isotype:	BiTE
Reactivity:	Human	Molecular Weight (kDa) :	52.92 kDa
Application:	Kinetics (SPR), ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0 Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Unconjugated
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	Expression System:	CHO
Storage:	Upon receipt, store immediately at -20°C or lower for 24 months. Store aliquots at -80°C for up to 3 months. Avoid repeated freeze-thaw cycles.	Purification:	Protein A

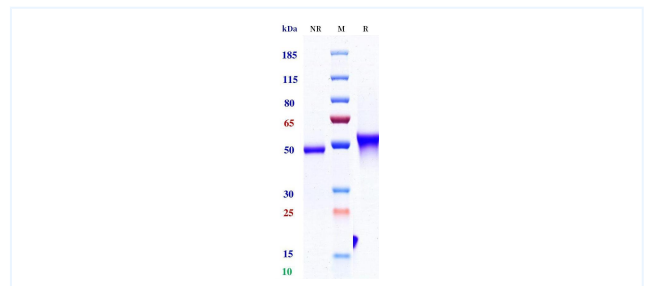
Data

MASS



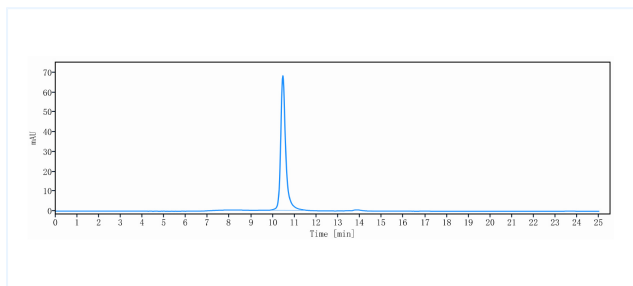
The detected molecular weight of Anti-CD3e & Mesothelin & Serum Albumin Reference Antibody (Hpn536) is 52.90 kDa.

Purity: SDS-PAGE



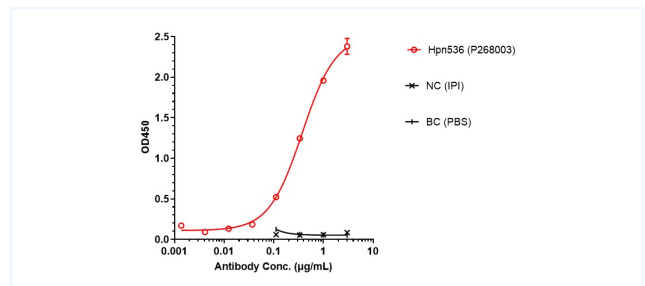
Anti-CD3e & Mesothelin & Serum Albumin Reference Antibody (Hpn536) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



The purity of Anti-CD3e & Mesothelin & Serum Albumin Reference Antibody (Hpn536) is 100.00%, determined by SEC-HPLC.

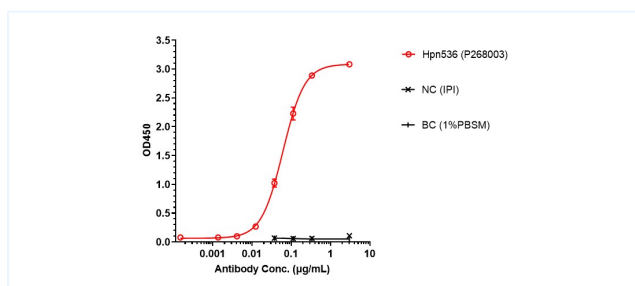
ELISA



Hpn536 bound to MSLN protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP), and read OD450. As shown in fig, Hpn536 bound to huMSLN-Fc, and the EC50 was 0.374 nM.

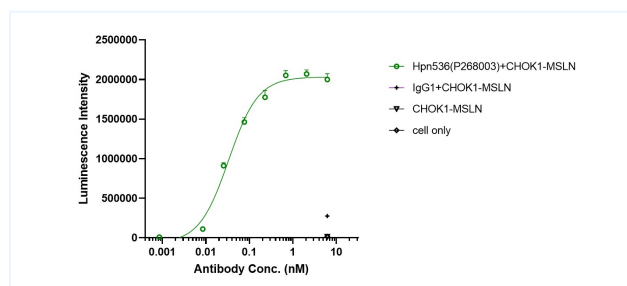
The products are for research use only. Not for use in diagnostic procedures.

ELISA



Hpn536 bound to MSLN protein, and then rebounded to secondary antibodies (Anti-6*his-HRP), and read OD450. As shown in fig, Hpn536 bound to HSA-Fc, and the EC50 was 0.061 nM.

Function: Luciferase



Co-incubation of Hpn536 with Jurkat cells, then with the addition of CHOK1-MSLN cells for 6 hours. Bright-Lite was used to detect the fluorescent signal. As shown in fig, Hpn536 was able to activate the NF-AT signaling pathway, and the EC50 was 0.033 nM.

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