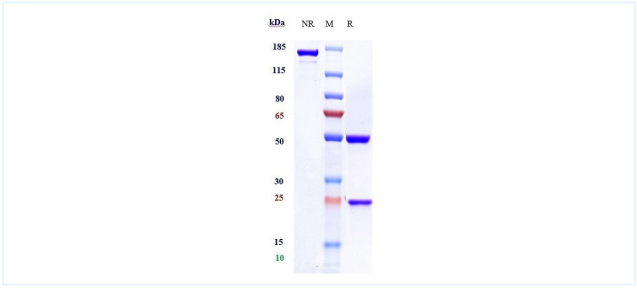
CERTIFICATE OF ANALYSIS

Product Details

Product name:	Anti-CD20 Reference Antibody (rituximab)	Lot.No.:	P108989
Target:	CD20	Catalog:	CHA015
Target Accession:	P11836	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	IgG1
Reactivity:	Human, Cynomolgus	Molecular Weight (kDa) :	145.2 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:	-80°C for 2 years under sterile conditions； -20°C for 1 year under sterile conditions； Avoid repeated freeze-thaw cycles.	Purification:	Protein A

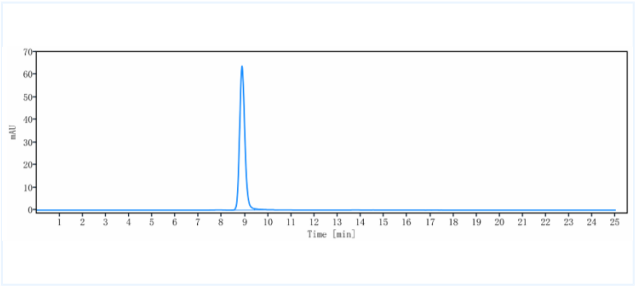
Data

Purity: SDS-PAGE



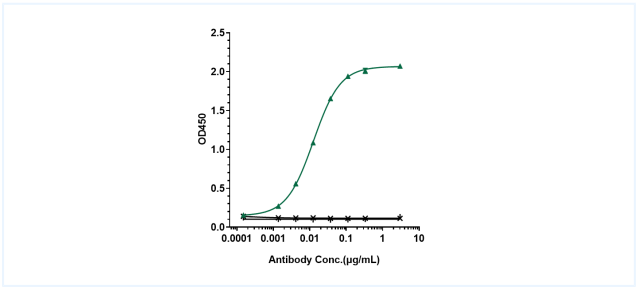
Anti-CD20 Reference Antibody (rituximab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



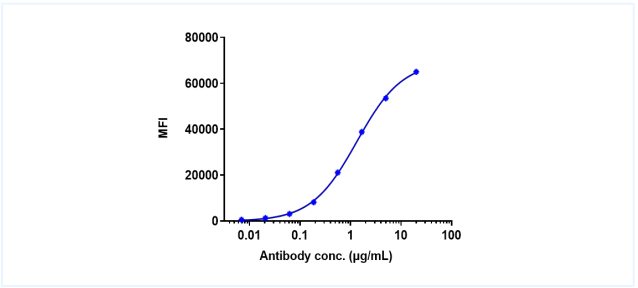
The purity of Anti-CD20 Reference Antibody (rituximab) is 98.97%, determined by SEC-HPLC.

Bioactivity: ELISA



Immobilized human CD20 His at 2 ug/mL can bind Anti-CD20 Reference Antibody (rituximab), EC50=0.01573/0.01258 ug/mL.

Bioactivity: FACS

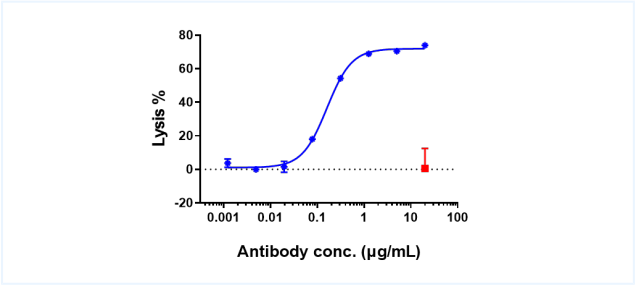


Raji cells were stained with Anti-CD20 Reference Antibody (rituximab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=1.334 ug/mL.

Tel: +86 021 3368 1627 Email: service@sanyoubio.com Web: www.crs.sanyoubio.com

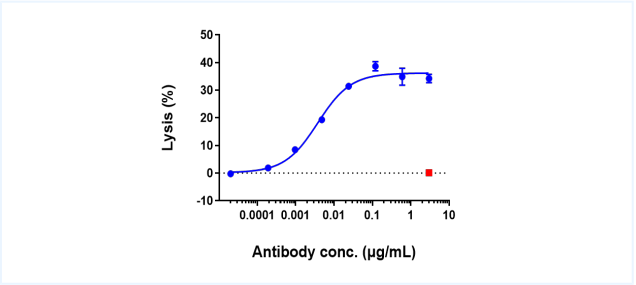
CERTIFICATE OF ANALYSIS

Function: CDC



Anti-CD20 Reference Antibody (rituximab)-induced CDC activity was evaluated using Raji Cell. The max Lysis rate was approximately 74%.

Function: ADCC



Anti-CD20 Reference Antibody (rituximab) induced ADCC activity was evaluated using Raji Cell. The max Lysis rate was approximately 35%.

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