10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD20 Reference Antibody (rituximab)

Recombinant Antibody
Catalog # APR10038

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P11836
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	33077

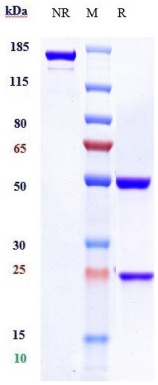
Additional Information

Target/Specificity	CD20
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

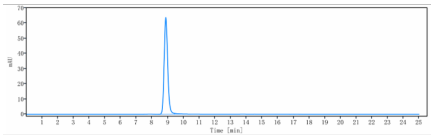
Protein Information

Name	MS4A1
Synonyms	CD20
Function	B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:12920111, PubMed:3925015, PubMed:7684739). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:12920111, PubMed:18474602, PubMed:7684739).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell membrane; Lipid-anchor. Note=Constitutively associated with membrane rafts.
Tissue Location	Expressed on B-cells.

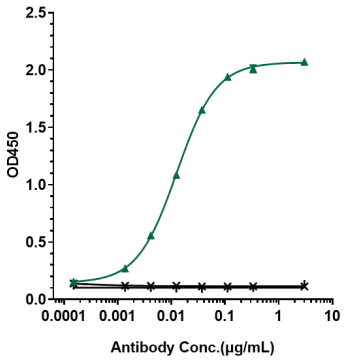
Images



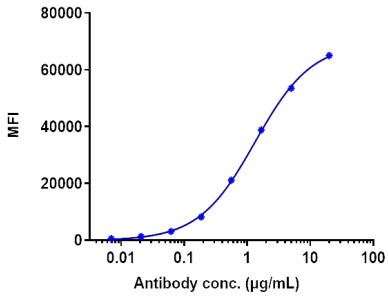
Anti-CD20 Reference Antibody (rituximab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



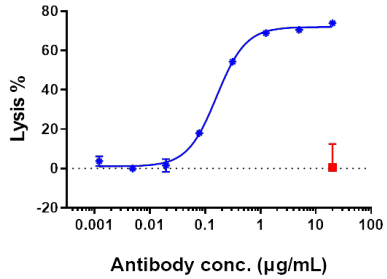
The purity of Anti-CD20 Reference Antibody (rituximab)is more than 98.97% ,determined by SEC-HPLC.



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

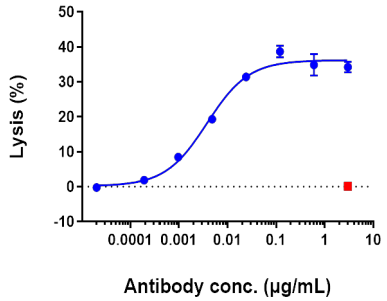


Raji cells were stained with Anti-CD20 Reference Antibody (rituximab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC87=1.334 μg/mL



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.