

## CD20 recombinant antibody

Anti-CD20 Reference Antibody (rituximab)

| CATALOG # | HOST     | REACTIVITY        | APPLICATIONS                                              |
|-----------|----------|-------------------|-----------------------------------------------------------|
| AAA29393  | CHO Cell | Human, Cynomolgus | ELISA, Flow Cytometry, Functional Assay, Functional Assay |

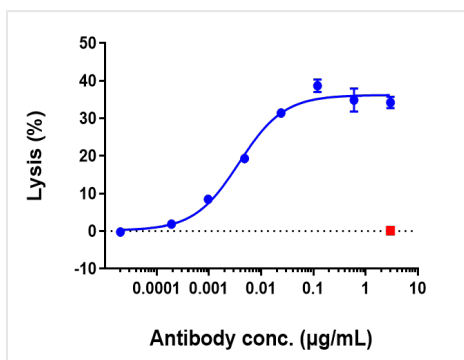
### PRODUCT SYNONYMS

CD20; Monoclonal Recombinant Antibody; Anti-CD20 Reference Antibody (rituximab); CD20 recombinant antibody

### PRODUCT SPECIFICATIONS

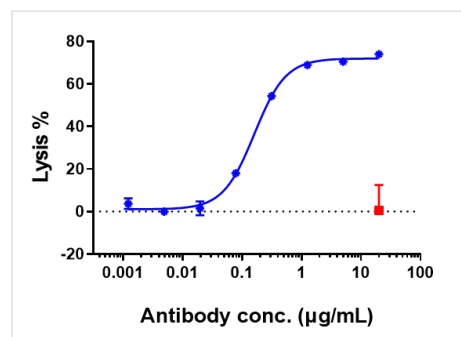
|                                                       |                                                                                                                                                  |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | CHO Cell                                                                                                                                         |
| Reactivity                                            | Human, Cynomolgus                                                                                                                                |
| Clonality                                             | Monoclonal                                                                                                                                       |
| Isotype                                               | IgG1                                                                                                                                             |
| Specificity                                           | CD20                                                                                                                                             |
| Form/Format                                           | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.                 |
| Concentration                                         | 1mg/ml (varies by lot)                                                                                                                           |
| Applicable Applications for CD20 recombinant antibody | ELISA, FCM/FACS (Flow Cytometry), FA (Functional Assay), Animal Model                                                                            |
| Endotoxin                                             | < 0.001EU/ug, determined by LAL method.                                                                                                          |
| Conjugation                                           | Unconjugated                                                                                                                                     |
| Dry Ice Note                                          | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                               |
| Preparation and Storage                               | Store at -80 degree C for 2 years under sterile conditions; -20 degree C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles. |

### IMAGES



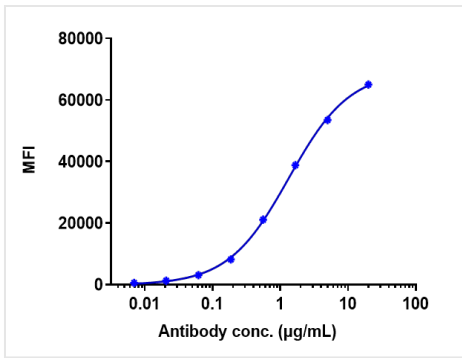
#### Application Data

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



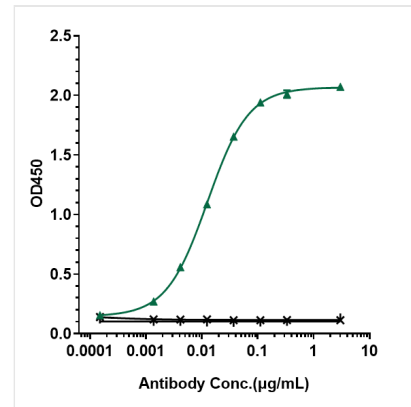
#### Application Data

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



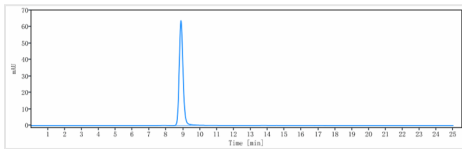
#### FCM (Flow Cytometry)

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 ug/mL



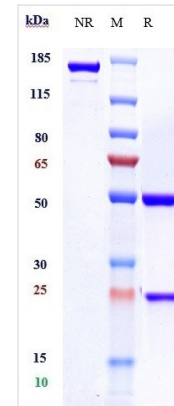
#### Application Data

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



#### Application Data

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



#### SDS-PAGE

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%

## ADDITIONAL INFORMATION

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Product Categories/Family for CD20 recombinant antibody | Primary Antibodies |
|---------------------------------------------------------|--------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115968                                                                                                                         |
| NCBI GeneID                      | 931                                                                                                                            |
| UniProt Accession #              | P11836; P08984; Q13963; A6NMS4; B4DT24                                                                                         |
| Molecular Weight                 | 297                                                                                                                            |
| NCBI Official Full Name          | B-lymphocyte antigen CD20                                                                                                      |
| NCBI Official Synonym Full Names | membrane-spanning 4-domains, subfamily A, member 1                                                                             |
| NCBI Official Symbol             | MS4A1                                                                                                                          |
| NCBI Official Synonym Symbols    | B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16                                                                                       |
| NCBI Protein Information         | B-lymphocyte antigen CD20; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1 |
| UniProt Protein Name             | B-lymphocyte antigen CD20                                                                                                      |
| UniProt Gene Name                | MS4A1                                                                                                                          |

|                            |            |
|----------------------------|------------|
| UniProt Synonym Gene Names | CD20       |
| UniProt Entry Name         | CD20_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd20-recombinant-antibody-flow-cytometry-functional-assay-elisa/29393>