

CD21 recombinant antibody

CD21 Antibody

CATALOG # AAA235184	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

CD21; Monoclonal Recombinant Antibody; CD21 Antibody; Complement receptor type 2; Cr2; Complement C3d receptor; Epstein-Barr virus receptor; EBV receptor; CR2; C3DR; CD21 recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	1092
Applicable Applications for CD21 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	A synthesized peptide
Conjugation	Non-conjugated
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



Application Data

Overlay histogram showing Raji cells stained with AAA235184 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 degree C. Control antibody (green line) was used under the same conditions. Acquisition of >10, 000 events was performed.



IF (Immunofluorescence)

Immunofluorescence staining of Raji cells with AAA235184 at 1:34, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



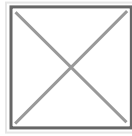
IHC (Immunohistochemisry)

IHC image of AAA235184 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohiostchemistry)

IHC image of CY5710 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Raji whole cell lysateAll lanes: CD21 antibody at 0.55ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 155 KDaObserved band size: 155 KDa

ADDITIONAL INFORMATION

Related Product Information for CD21 recombinant antibody	Receptor for complement C3Dd, for the Epstein-Barr virus on human B-cells and T-cells and for HNRPU. Participates in B lymphocytes activation.
Product Categories/Family for CD21 recombinant antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792123
NCBI GeneID	1380
NCBI Accession #	NP_001006659.1
NCBI GenBank Nucleotide #	NM_001006658.2
UniProt Accession #	P20023; Q13866; Q14212; Q53EL2; Q5BKT9; Q5SR46; Q5SR48; C9JHD2
Molecular Weight	118,279 Da
NCBI Official Full Name	complement receptor type 2 isoform 1
NCBI Official Synonym Full Names	complement C3d receptor 2
NCBI Official Symbol	CR2
NCBI Official Synonym Symbols	CR; C3DR; CD21; CVID7; SLEB9
NCBI Protein Information	complement receptor type 2
UniProt Protein Name	Complement receptor type 2
UniProt Gene Name	CR2
UniProt Synonym Gene Names	C3DR; Cr2; EBV receptor

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd21-recombinant-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/235184>