

Rabbit CD20 Polyclonal Antibody | anti-MS4A1 antibody

CD20 Antibody

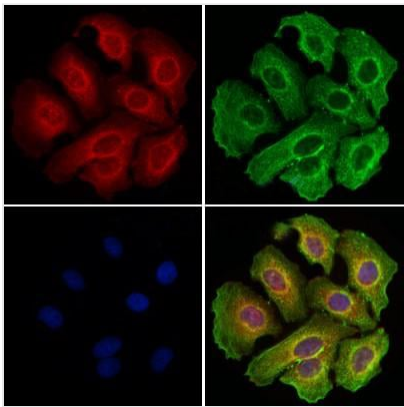
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328936	Rabbit	Human Predicted Reactivity: Pig(88%), Bovine(88%), Sheep(88%), Dog(88%)	ELISA, Immunocytochemistry, Immunofluorescence

PRODUCT SYNONYMS

CD20; Polyclonal Antibody; CD20 Antibody; APY; ATOPY; B lymphocyte antigen CD20; B Lymphocyte Cell Surface Antigen B1; B-lymphocyte antigen CD20; B-lymphocyte cell-surface antigen B1; B-lymphocyte surface antigen B1; B1; Bp 35; Bp35; CD 20; CD20 antigen; CD20 receptor; CD20_HUMAN; CVID5; Fc epsilon receptor I beta chain; Fc Fragment of IgE high affinity I receptor for beta polypeptide; FCER1B; High affinity immunoglobulin epsilon receptor subunit beta; IgE Fc receptor subunit beta; IGEL; IGER; IGER; LEU 16; LEU16; leukocyte surface antigen Leu 16; Leukocyte surface antigen Leu-16; Ly44; Membrane spanning 4 domains A1; Membrane spanning 4 domains subfamily A member 2; Membrane-spanning 4-domains subfamily A member 1; MGC3969; MS4A1; MS4A2; S7; anti-MS4A1 antibody

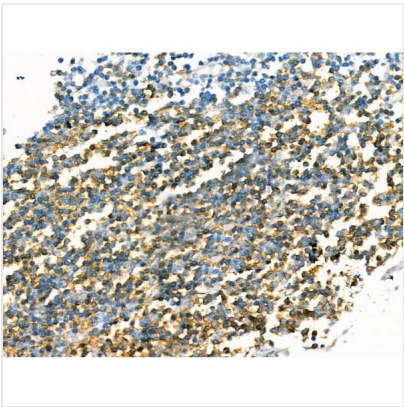
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Pig(88%), Bovine(88%), Sheep(88%), Dog(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	CD20 Antibody detects endogenous levels of total CD20.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-MS4A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human CD20, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



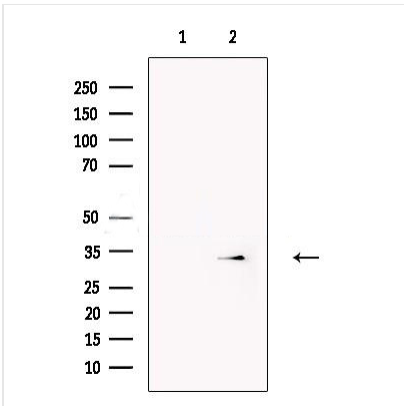
IF (Immunofluorescence)

AAA328936 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328936 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA328936 at 1/100 staining Human mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from BJAB, using CD20 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MS4A1 antibody

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:3925015, PubMed:7684739, PubMed:12920111). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:7684739, PubMed:12920111, PubMed:18474602).

Post Translational Modifications: Phosphorylated on serines and threonines in resting B-cells. Protein kinase C/PKC can use CD20 as substrate.

Subcellular Location: Cell membrane>Multi-pass membrane protein. Cell membrane>Lipid-anchor. Note: Constitutively associated with membrane rafts.

Tissue Specificity: Expressed on B-cells.

Subunit Structure: Forms homotetramers (PubMed:7684739, PubMed:18474602). Interacts with the heavy and light chains of cell surface IgM, the antigen-binding components of the BCR (PubMed:18474602).

Similarity: Belongs to the MS4A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115968
NCBI GeneID	931
UniProt Accession #	P11836
Molecular Weight	Observed Molecular Weight: (Observed)33kD. Predicted Molecular Weight: (Calculated)33kDa.
NCBI Official Full Name	B-lymphocyte antigen CD20
NCBI Official Synonym Full Names	membrane spanning 4-domains A1
NCBI Official Symbol	MS4A1
NCBI Official Synonym Symbols	B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16
NCBI Protein Information	B-lymphocyte antigen CD20
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd20-antibody-immunocytochemistry-immunofluorescence-elisa/328936>