

Canine B-lymphocyte antigen CD20 (MS4A1) ELISA Kit | MS4A1 elisa kit

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CATALOG #
AAA245209

REACTIVITY
Canine

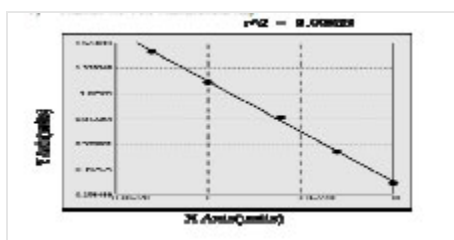
PRODUCT SYNONYMS

B-lymphocyte antigen CD20 (MS4A1); Canine B-lymphocyte antigen CD20 (MS4A1) ELISA Kit; MS4A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MS4A1 elisa kit

Intended Uses: This MS4A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MS4A1. This ELISA kit for research use only!

Principle of the Assay||MS4A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MS4A1 antibody and an MS4A1-HRP conjugate. The assay sample and buffer are incubated together with MS4A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MS4A1 concentration since MS4A1 from samples and MS4A1-HRP conjugate compete for the anti-MS4A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MS4A1 from the sample, fewer sites are left to bind MS4A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MS4A1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MS4A1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	23110989
NCBI GeneID	931
NCBI Accession #	NP_690605.1
NCBI GenBank Nucleotide #	NM_152866.2
Molecular Weight	33,077 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/b-lymphocyte-antigen-cd20-ms4a1/245209>