

Human Membrane Spanning 4 Domains Subfamily A, Member 1 (MS4A1) ELISA Kit | MS4A1 elisa kit

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CATALOG #
AAA135773

REACTIVITY
Human

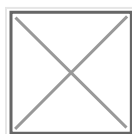
PRODUCT SYNONYMS

Membrane Spanning 4 Domains Subfamily A; Member 1 (MS4A1); Human Membrane Spanning 4 Domains Subfamily A; Member 1 (MS4A1) ELISA Kit; CD20; MS4-A1; B1; Bp35; LEU16; MS4-A2; S7; B-lymphocyte antigen CD20; B-lymphocyte surface antigen B1; MS4A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MS4A1. No significant cross-reactivity or interference between MS4A1 and analogues was observed.
Sequence Length	239
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	1.25-80ng/mL
Sensitivity	0.57ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MS4A1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MS4A1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MS4A1 elisa kit	<p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MS4A1 in human serum, plasma, tissue homogenates and other biological fluids.</p> <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MS4A1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MS4A1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MS4A1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MS4A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p>
Product Categories/Family for MS4A1 elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	23110995
NCBI GeneID	51338
NCBI Accession #	NP_683876.1
NCBI GenBank Nucleotide #	NM_148975.2
UniProt Accession #	Q96JQ5; Q8TEZ6; Q96PG7; Q9BY18; Q9H3V3; Q9P1S3
Molecular Weight	19,682 Da
NCBI Official Full Name	membrane-spanning 4-domains subfamily A member 4A isoform 1
NCBI Official Synonym Full Names	membrane-spanning 4-domains, subfamily A, member 4A
NCBI Official Symbol	MS4A4A
NCBI Official Synonym Symbols	MS4A4; MS4A7; 4SPAN1; CD20L1; CD20-L1; HDCME31P
NCBI Protein Information	membrane-spanning 4-domains subfamily A member 4A
UniProt Protein Name	Membrane-spanning 4-domains subfamily A member 4A
UniProt Gene Name	MS4A4A
UniProt Synonym Gene Names	4SPAN1; CD20L1; MS4A4
UniProt Entry Name	M4A4A_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
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/membrane-spanning-4-domains-subfamily-a-member-1-ms4a1/135773>