

Human membrane-spanning 4-domains, subfamily A, member 1 ELISA Kit | MS4A1 elisa kit

Human B-lymphocyte antigen, CD20 ELISA Kit

CATALOG #
AAA15608

REACTIVITY
Human

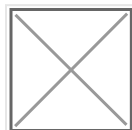
PRODUCT SYNONYMS

membrane-spanning 4-domains; subfamily A; member 1; Human B-lymphocyte antigen; CD20 ELISA Kit; Human B-lymphocyte antigen (CD20) ELISA Kit; B1; Bp35; CD20; LEU-16; MGC3969; MS4A2; S7; B-lymphocyte cell-surface antigen B1; CD20 antigen; CD20 receptor; MS4A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CD20. No significant cross-reactivity or interference between human CD20 and analogues was observed.
Sequence Length	297
Samples	Serum, plasma and tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	3.12 ng/ml -200 ng/ml
Sensitivity	Typically less than 0.78 ng/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MS4A1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD20 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD20 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD20 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD20 bound in the initial step. The color development is stopped and the intensity of the color is measured.

References

[Genomic Profile of Fatigued Men Receiving Localized Radiation Therapy](#). Chao-Pin Hsiao, PhD, RN, Swarnalatha Y. Reddy, PhD, Mei-Kuang Chen, PhD, Leorey N. Saligan, PhD, RN, CRNP, FAAN (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	23110987
NCBI GeneID	931
NCBI Accession #	NP_068769.2
NCBI GenBank Nucleotide #	NM_021950.3
UniProt Accession #	P11836; P08984; Q13963; A6NMS4
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/ms4a1-human-elisa-kits/membrane-spanning-4-domains-subfamily-a-member-1/15608>