

Human Basal Cell Adhesion Molecule (BCAM) ELISA Kit | BCAM elisa kit

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CATALOG #
AAA185003

REACTIVITY
Human

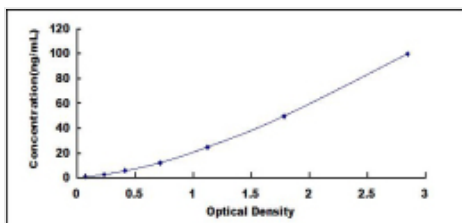
PRODUCT SYNONYMS

Basal Cell Adhesion Molecule (BCAM); Human Basal Cell Adhesion Molecule (BCAM) ELISA Kit; CD239; BCAM; AU; LU; MSK19; Lutheran Blood Group Glycoprotein; Auberger B antigen; B-CAM cell surface glycoprotein; F8/G253 antigen; BCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Basal Cell Adhesion Molecule (BCAM). No significant cross-reactivity or interference between Basal Cell Adhesion Molecule (BCAM) and analogues was observed.
Sequence Length	628
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.60ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Basal Cell Adhesion Molecule (BCAM) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Basal Cell Adhesion Molecule (BCAM) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 BCAM elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Basal Cell Adhesion Molecule (BCAM). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Basal Cell Adhesion Molecule (BCAM). 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 Basal Cell Adhesion Molecule (BCAM), 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 Basal Cell Adhesion Molecule (BCAM) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543106
NCBI GeneID	4059
NCBI Accession #	NP_005572.2
NCBI GenBank Nucleotide #	NM_005581.4
UniProt Accession #	P50895; Q86VC7; A8MYF9; A9YWT5; A9YWT6
Molecular Weight	67,405 Da
NCBI Official Full Name	basal cell adhesion molecule isoform 1
NCBI Official Synonym Full Names	basal cell adhesion molecule (Lutheran blood group)
NCBI Official Symbol	BCAM
NCBI Official Synonym Symbols	AU; LU; CD239; MSK19
NCBI Protein Information	basal cell adhesion molecule
UniProt Protein Name	Basal cell adhesion molecule
UniProt Gene Name	BCAM
UniProt Synonym Gene Names	LU; MSK19

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/basal-cell-adhesion-molecule-bcam/185003>