Human BUB1B (Mitotic Checkpoint Serine/threonine-Protein Kinase BUB1 Beta) ELISA Kit | BUB1B elisa kit

Human BUB1B (Mitotic Checkpoint Serine/threonine-Protein Kinase BUB1 Beta) ELISA Kit

CATALOG #	REACTIVITY
AAA277939	**Human**

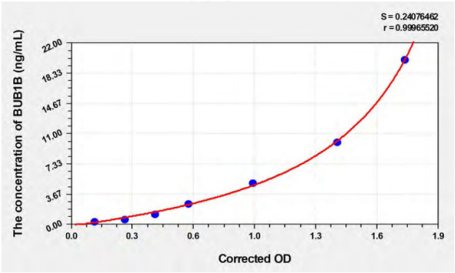
PRODUCT SYNONYMS

BUB1B (Mitotic Checkpoint Serine/threonine-Protein Kinase BUB1 Beta); Human BUB1B (Mitotic Checkpoint Serine/threonine-Protein Kinase BUB1 Beta) ELISA Kit; MVA1; Bub1A; SSK1; hBUBR1; MAD3L; BUBR1; BUB1beta; BUB1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human BUB1B. No significant cross-reactivity or interference between Human BUB1B and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.12 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Note: this graph is for reference only

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BUB1B elisa kit	Principle of the Assay: 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 Human BUB1B. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human BUB1B. 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 Human BUB1B, 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 Human BUB1B in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59814247
NCBI GeneID	701
NCBI Accession #	NP_001202.4
NCBI GenBank Nucleotide #	NM_001211.5
UniProt Accession #	O60566; O60501; O60627; O60758; O75389; Q59HH6; Q8WV50; Q96KM4; B2R6U0; B4DL09; B4DLG3
Molecular Weight	119,545 Da
NCBI Official Full Name	mitotic checkpoint serine/threonine-protein kinase BUB1 beta
NCBI Official Synonym Full Names	BUB1 mitotic checkpoint serine/threonine kinase B
NCBI Official Symbol	BUB1B
NCBI Official Synonym Symbols	MVA1; SSK1; BUBR1; Bub1A; MAD3L; hBUBR1; BUB1beta
NCBI Protein Information	mitotic checkpoint serine/threonine-protein kinase BUB1 beta; mitotic checkpoint kinase MAD3L; MAD3/BUB1-related protein kinase; budding uninhibited by benzimidazoles 1 homolog beta
UniProt Protein Name	Mitotic checkpoint serine/threonine-protein kinase BUB1 beta
UniProt Gene Name	**BUB1B**
UniProt Synonym Gene Names	BUBR1; MAD3L; SSK1; hBUBR1
UniProt Entry Name	BUB1B_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/bub1b-mitotic-checkpoint-serine-threonine-protein-kinase-bub1-beta/277939