

Human upper zone of growth plate and cartilage matrix associated ELISA Kit | UCMA elisa kit

Human upper zone of growth plate and cartilage matrix associated, UCMA ELISA Kit

CATALOG # AAA112735	REACTIVITY Human
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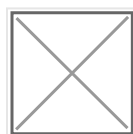
PRODUCT SYNONYMS

upper zone of growth plate and cartilage matrix associated; Human upper zone of growth plate and cartilage matrix associated; UCMA ELISA Kit; Human upper zone of growth plate and cartilage matrix associated (UCMA) ELISA kit; C10orf49; unique cartilage matrix-associated protein; UCMA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human UCMA. No significant cross-reactivity or interference between Human UCMA and analogues was observed.
Sequence Length	138
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 UCMA elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for UCMA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UCMA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UCMA 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 UCMA bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50400088
NCBI GeneID	221044
NCBI Accession #	NP_660357.2
NCBI GenBank Nucleotide #	NM_145314.1
UniProt Accession #	Q8WVF2
Molecular Weight	16,563 Da
NCBI Official Full Name	unique cartilage matrix-associated protein
NCBI Official Synonym Full Names	upper zone of growth plate and cartilage matrix associated
NCBI Official Symbol	UCMA
NCBI Official Synonym Symbols	GRP; C10orf49; GRP/UCMA
NCBI Protein Information	unique cartilage matrix-associated protein; Gla-rich protein
UniProt Protein Name	Unique cartilage matrix-associated protein
UniProt Gene Name	UCMA
UniProt Synonym Gene Names	C10orf49; Ucma-C; GRP
UniProt Entry Name	UCMA_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/ucma-human-elisa-kits/upper-zone-of-growth-plate-and-cartilage-matrix-associated/112735>