

Human Methyl-CpG-Binding Domain Protein 3 (MBD3) ELISA Kit | MBD3 elisa kit

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CATALOG #
AAA331852

REACTIVITY
Human

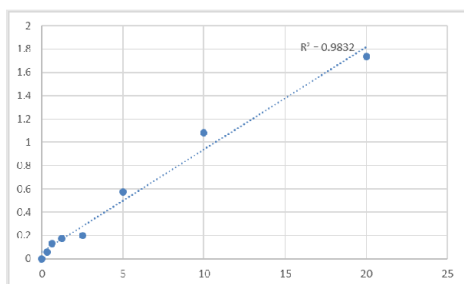
PRODUCT SYNONYMS

Methyl-CpG-Binding Domain Protein 3 (MBD3); Human Methyl-CpG-Binding Domain Protein 3 (MBD3) ELISA Kit; MBD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Methyl-CpG-binding domain protein 3 (MBD3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MBD3. No significant cross-reactivity or interference between Human MBD3 and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Methyl-CpG-binding domain protein 3 (MBD3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MBD3 elisa kit	Description: This Human Methyl-CpG-binding domain protein 3 (MBD3) ELISA Kit employs a two-site sandwich ELISA to quantitate MBD3 in samples. An antibody specific for MBD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MBD3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MBD3 is added to the wells. After washing, Streptavidin 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 MBD3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: DPEP3 encodes a membrane-bound glycoprotein from the family of dipeptidases (EC 3.4.13.19) involved in hydrolytic metabolism of various dipeptides, including penem and carbapenem beta-lactam antibiotics. This gene is located on chromosome 16 in a cluster with another member of this family, DPEP2. The deduced 493-amino acid mouse protein contains several residues conserved among MBDs, including 6 cysteines, 3 histidines, and a glutamic acid that is important for catalytic activity. Mouse and human MBD3 share 68% amino acid identity. Northern blot analysis detected an Mbd2 RNA in mouse testis only. Phospholipase treatment released Mbd3 from transfected COS-7 cell membranes, indicating that Mbd3 is anchored to the membrane through glycosylphosphatidylinositol modification.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505119
NCBI GeneID	53615
UniProt Accession #	O95983
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 3
NCBI Official Symbol	MBD3
NCBI Protein Information	methyl-CpG-binding domain protein 3
UniProt Protein Name	Methyl-CpG-binding domain protein 3
UniProt Gene Name	MBD3
UniProt Entry Name	MBD3_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/human-elisa-kits/methyl-cpg-binding-domain-protein-3-mbd3/331852>