

Bovine Microtubule-associated protein 2 ELISA Kit | MAP-2 elisa kit

Bovine Microtubule-associated protein 2 ELISA Kit

CATALOG # AAA89926	REACTIVITY Bovine
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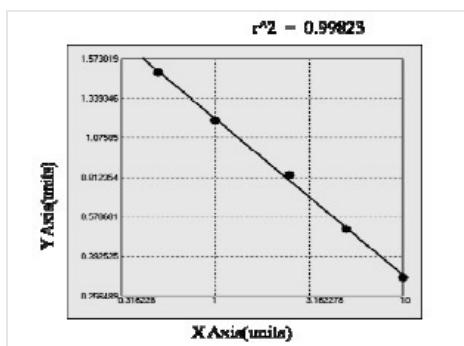
PRODUCT SYNONYMS

Microtubule-associated protein 2; Bovine Microtubule-associated protein 2 ELISA Kit; MAP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This MAP-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine MAP-2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAP-2 elisa kit

Principle of the Assay: MAP-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MAP-2 antibody and an MAP-2-HRP conjugate. The assay sample and buffer are incubated together with MAP-2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MAP-2 concentration since MAP-2 from samples and MAP-2-HRP conjugate compete for the anti-MAP-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MAP-2 from the sample, fewer sites are left to bind MAP-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAP-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MAP-2 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578396
NCBI GeneID	4133
NCBI Accession #	NP_002365.3
NCBI GenBank Nucleotide #	NM_002374.3
Molecular Weight	58,954 Da
NCBI Official Full Name	microtubule-associated protein 2 isoform 1
NCBI Official Synonym Full Names	microtubule-associated protein 2
NCBI Official Symbol	MAP2
NCBI Official Synonym Symbols	MAP2A; MAP2B; MAP2C
NCBI Protein Information	microtubule-associated protein 2; MAP-2
UniProt Protein Name	Microtubule-associated protein 2
UniProt Gene Name	MAP2
UniProt Synonym Gene Names	MAP-2
UniProt Entry Name	MTAP2_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/map-2-bovine-ovine-elisa-kits/microtubule-associated-protein-2/89926>