

Human Microtubule-Associated Protein RP/EB Family Member 2 (MAPRE2) ELISA Kit | MAPRE2 elisa kit

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CATALOG # AAA331872	REACTIVITY Human
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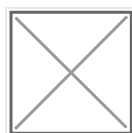
PRODUCT SYNONYMS

Microtubule-Associated Protein RP/EB Family Member 2 (MAPRE2); Human Microtubule-Associated Protein RP/EB Family Member 2 (MAPRE2) ELISA Kit; MAPRE2; EB1; EB2; RP1; APC-binding protein EB1; T-cell activation protein; EB1 family; MAPRE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated protein RP/EB family member 2 (MAPRE2) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAPRE2. No significant cross-reactivity or interference between Human MAPRE2 and analogues was observed.
Sequence Length	327
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 Microtubule-associated protein RP/EB family member 2 (MAPRE2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAPRE2 elisa kit	Description: This Human Microtubule-associated protein RP/EB family member 2 (MAPRE2) ELISA Kit employs a two-site sandwich ELISA to quantitate MAPRE2 in samples. An antibody specific for MAPRE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAPRE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPRE2 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 MAPRE2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MAPRE2 shares significant homology to the adenomatous polyposis coli (APC) protein-binding EB1 gene family. The function of this protein is unknown; however, its homology suggests involvement in tumorigenesis of colorectal cancers and proliferative control of normal cells. This gene may belong to the intermediate/early gene family, involved in the signal transduction cascade downstream of the TCR. The deduced 327-amino acid protein has significant homology with EB1 family proteins. Northern blot analysis detected a 2.6-kb transcript in T cells activated by 2 signals (i.e., cell surface antigen(s) and/or cytokine) and also in lymphocyte tumor cell lines. Immunoprecipitation analysis indicated that RP1 associates with full-length but not C terminus-deleted APC.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10346135
NCBI GeneID	10982
NCBI Accession #	NP_055083.1
NCBI GenBank Nucleotide #	NP_055083.1
UniProt Accession #	Q15555
NCBI Official Full Name	microtubule-associated protein RP/EB family member 2 isoform 1
NCBI Official Synonym Full Names	microtubule associated protein RP/EB family member 2
NCBI Official Symbol	MAPRE2
NCBI Official Synonym Symbols	EB1; EB2; RP1; CSCSC2
NCBI Protein Information	microtubule-associated protein RP/EB family member 2
UniProt Protein Name	Microtubule-associated protein RP/EB family member 2
UniProt Gene Name	MAPRE2
UniProt Synonym Gene Names	RP1; EB2
UniProt Entry Name	MARE2_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/microtubule-associated-protein-rp-eb-family-member-2-mapre2/331872>