Epiplakin (EPPK1) ELISA Kit for Cavy

PRODUCT OVERVIEW

Product Name	Epiplakin (EPPK1), ELISA Kit
Full Product Name	Cavy Epiplakin (EPPK1) ELISA Kit
Product Gene Name	EPPK1 elisa kit
Species Reactivity	Cavy
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	555,621 Da
OMIM	607553
Related Product Information for EPPK1 elisa kit	MBS9345583 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Epiplakin (EPPK1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing EPPK1. The ELISA analytical biochemical technique of the MBS9345583 kit is based on EPPK1 antibody-EPPK1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EPPK1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EPPK1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of EPPK1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPPK1. It may not necessarily be applicable to this product.

NCBI GI #	525507390
NCBI GeneID	83481
NCBI Accession #	NP_112598.3
UniProt Secondary Accession #	Q76E58; Q9NSU9
UniProt Related Accession #	P58107
GenBank Nucleotide #	NM_031308.3
NCBI Official Full Name	epiplakin
NCBI Official Synonym Full Names	epiplakin 1
NCBI Official Symbol	EPPK1
NCBI Official Synonym Symbols	EPIPL; EPIPL1
UniProt Protein Name	Epiplakin
UniProt Synonym Protein Names	450 kDa epidermal antigen
Protein Family	Epiplakin
UniProt Gene Name	EPPK1
UniProt Synonym Gene Names	EPIPL

UniProt Entry Name	EPIPL_HUMAN
NCBI Protein Information	epiplakin
NCBI Summary for EPPK1	The protein encoded by this gene belongs to the plakin family of proteins, which play a role in the organization of cytoskeletal architecture. This family member is composed of several highly homologous plakin repeats. It may function to maintain the integrity of keratin intermediate filament networks in epithelial cells. Studies of the orthologous mouse protein suggest that it accelerates keratinocyte migration during wound healing. [provided by RefSeq, Oct 2013]
UniProt Comments for EPPK1	EPPK1: Belongs to the plakin or cytolinker family. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 8q24.3 Cellular Component: cytoplasm; cytoskeleton
Research Articles on EPPK1	**1.** Epiplakin may be a cytolinker involved in maintaining the integrity of intermediate filaments networks in simple epithelial cells.
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