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Product datasheet for EA200051

Human Bestrophin 3 (BEST3) ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human Bestrophin 3 (BEST3) ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	0.313-20ng/ml
Sample Type:	Human serum, plasma, cell lysates, tissue homogenates and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of BEST3
Sensitivity:	197pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	• BEST3 MonoclonL Antibody Coated 96-well Plate in foil pouch with desiccant|1 plate • Human BEST3 Standard (1µg/ml)|0.1 mL • 100x Biotin conjugated BEST3 Detection Antibody|0.12 mL • 100x SA-HRP Conjugate|0.12 mL • Assay Buffer|30 mL • Standard Diluent|10 mL • Sample Diluent|30 mL • Wash Buffer Concentrate 20X|60 mL • TMB Substrate|12 mL • Stop Solution|12 mL • Plate Sealer|3 pieces

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Background: Bestrophin 3 (BEST3) belongs to the bestrophin family of anion channels, which includes BEST1, BEST2 and BEST4. Bestrophins are transmembrane (TM) proteins that share a homology region containing a high content of aromatic residues, including an invariant arg-phe-pro (RFP) motif. The bestrophin genes share a conserved gene structure, with almost identical sizes of the 8 RFP-TM domain-encoding exons and highly conserved exon-intron boundaries. Each of the 4 bestrophin genes has a unique 3-prime end of variable length. Bestrophin-3, essential for a calcium-activated chloride channel, recently was suggested to have cell-protective functions. BEST3 is an endogenous inhibitor of NF-κB signaling pathway in endothelial cells, and is involved in the regulation of cell proliferation, apoptosis and differentiation of a variety of physiological functions. Diseases associated with BEST3 include Vitelliform Macular Dystrophy and Viral Esophagitis. BEST-3 expression may be a novel approach for the treatment of vascular inflammatory diseases.

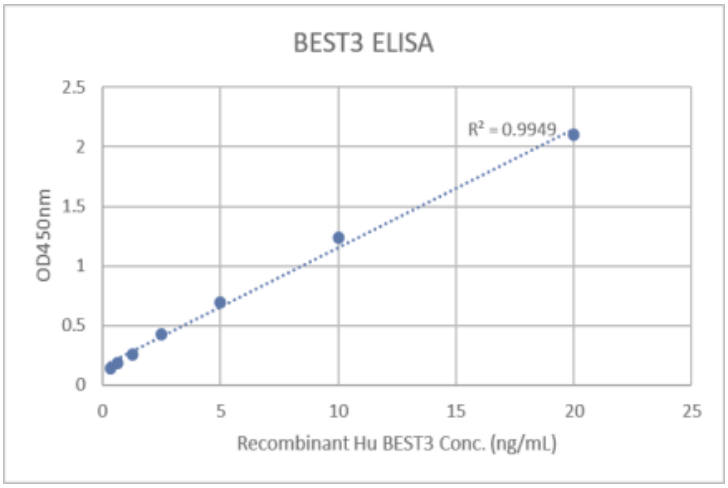
Gene Symbol: BEST3

Gene ID: 144453

Standard Curve:

Data image of Human Bestrophin 3 (BEST3) ELISA Kit.

Product images:



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