

# Human Epithelial-stromal interaction protein 1 (EPSTI1) ELISA Kit



Catalog No: #EK11612

Orders: order@signalwayantibody.com

Package Size: #EK11612-1 48T #EK11612-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Epithelial-stromal interaction protein 1 (EPSTI1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BRESI1; MGC29634; epithelial stromal interaction 1
Accession No.	Q96J88
Uniprot	Q96J88
GeneID	94240;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate EPSTI1 in samples. An antibody specific for EPSTI1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEPSTI1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EPSTI1 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 EPSTI1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**By differential display, Nielsen et al. (2002) identified EPSTI1 as a transcript that is induced by coculture of breast tumor cells and fibroblasts, and they generated the full-length cDNA by 5-prime RACE of normal breast or placenta RNA. The deduced 307-amino acid protein has a calculated molecular mass of about 35 kD. It contains no N-terminal signal sequence and no transmembrane domains; however, there are 3 coiled-coil regions. Northern blot analysis revealed a transcript size of 1.5 kb. Real-time PCR revealed highest expression in placenta; strong expression in small intestine, spleen, salivary gland, and testes; and low levels of expression in normal breast and several other tissues. The expression of EPSTI1 was upregulated up to 72 times (range 5.6-72.1) in all 14 breast carcinomas tested.

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Note: This product is for in vitro research use only