

## Human RNA-binding protein 38 (RBM38) ELISA Kit

Catalog No: #EK7562



Package Size: #EK7562-1 48T #EK7562-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human RNA-binding protein 38 (RBM38) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HSRNASEB; RNPC1; SEB4B; SEB4D; dJ800J21.2; CLL-associated antigen KW-5 RNA-binding region (RNP1; RRM) containing 1 RNA-binding region containing protein 1 ssDNA binding protein SEB4
Accession No.	Q9H0Z9
Uniprot	Q9H0Z9
GenID	55544;
Storage	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.  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).

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.112 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 RBM38 in samples. An antibody specific for RBM38 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRBM38 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RBM38 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 RBM38 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Using microarray analysis to identify potential p53 (TP53) target genes in human cell lines, Shu et al. (2006) identified and cloned 2 variants of RBM38, which they called RNPC1a and RNPC1b. The deduced proteins contain 239 and 121 amino acids, respectively, and both contain an identical N-terminal canonical RNA recognition motif made up of 2 conserved submotifs, RNP1 and RNP2. Immunofluorescence analysis localized both proteins in the perinuclear membrane and cytosol, with a larger proportion of RNPC1b localized to the cytosol than the nucleus.Both RNPC1a and RNPC1b were also induced by several p63 (TP63) and p73 (TP73) isoforms. RNPC1 expression was induced by DNA-damaging agents in cells expressing wildtype p53, but not in cells lacking p53 expression.

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Note: This product is for in vitro research use only