Human estrogen receptor binding site associated, antigen, 9 ELISA Kit | EBAG9 elisa kit

Human receptor-binding cancer antigen expressed on SiSo cells, RCAS1 ELISA Kit

CATALOG #	REACTIVITY
AAA80676	**Human**

PRODUCT SYNONYMS

estrogen receptor binding site associated; antigen; 9; Human receptor-binding cancer antigen expressed on SiSo cells; RCAS1 ELISA Kit; RCAS1 ELISA kit; EB9; PDAF; RCAS1; cancer associated surface antigen; estrogen receptor binding site associated antigen 9; EBAG9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human EBAG9. No significant cross-reactivity or interference between Human EBAG9 and analogues was observed.
Sequence Length	213
Samples	Serum and tissue homogenates
Detection Range	0.78 U/ml-50 U/ml
Sensitivity	0.195 U/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Apoptosis/Autophagy
Protein Biological Process 3	Apoptosis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EBAG9 elisa kit	**Introduction:** Receptor-binding cancer antigen expressed on SiSo cells (RCAS1) is a human tumor-associated antigen that induces cell cycle arrest and/or apoptosis in RCAS1 receptor-expressing immune cells. RCAS1 has been identified by means of a monoclonal antibody on the human uterine cervical adenocarcinoma cell line SiSo. RCAS1 is identical with the human estrogen-responsive gene product EBAG-9 (ER-binding fragment-associated antigen-9). RCAS1 is expressed at a high frequency in human uterine and ovarian cancer cells as well as in other mammalian cancer cells. High expression of RCAS1 has been shown to correlate significantly with tumour progression and predicted poor outcome in gallbladder cancer. RCAS1 is detected in nearly 100 % of gastric carcinomas and is strictly associated with tumor progression of gastric cancer. RCAS1 is highly expressed also in extramammary Paget's disease and in advanced stage squamous cell carcinoma of the skin. Ohshima et al have reported that RCAS1 is expressed in Reed-Sternberg cells in association with Epstein-Barr virus infection and that RCAS1 rather than FAS ligand allows these cells to evade host immune responses. **Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to RCAS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for RCAS1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain RCAS1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of RCAS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	525459422
NCBI GeneID	9166
NCBI Accession #	NP_001265867.1
NCBI GenBank Nucleotide #	NM_001278938.1
UniProt Accession #	O00559; Q5Y8C7; Q6IB20; Q9BS76; A8K3N6
Molecular Weight	24,377 Da
NCBI Official Full Name	receptor-binding cancer antigen expressed on SiSo cells
NCBI Official Synonym Full Names	estrogen receptor binding site associated, antigen, 9
NCBI Official Symbol	EBAG9
NCBI Official Synonym Symbols	EB9; PDAF
NCBI Protein Information	receptor-binding cancer antigen expressed on SiSo cells; cancer-associated surface antigen RCAS1; estrogen receptor-binding fragment-associated gene 9 protein
UniProt Protein Name	Receptor-binding cancer antigen expressed on SiSo cells
UniProt Gene Name	**EBAG9**
UniProt Synonym Gene Names	RCAS1
UniProt Entry Name	RCAS1_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.

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Online datasheet: https://stage.aaabiotech.com/ebag9-human-elisa-kits/estrogen-receptor-binding-site-associated-antigen-9/80676