

Human FOLR1 ELISA Kit | FOLR1 elisa kit

Human FOLR1 PicoKine ELISA Kit

CATALOG #
AAA45949

REACTIVITY
Human

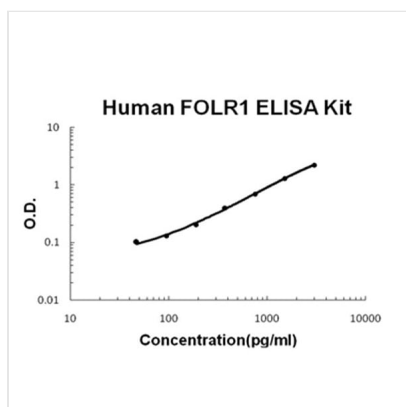
PRODUCT SYNONYMS

FOLR1; Human FOLR1 PicoKine ELISA Kit; Folate receptor alpha; folate receptor 1 (adult); Adult folate binding protein; Adult folate-binding protein; FBP; Folate Receptor 1 Adult; Folate receptor 1; Folate Receptor 1 Precursor; Folate receptor adult; Folate receptor; FOLR; FOLR1_HUMAN; FR alpha; FR-alpha; FRalpha; KB cells FBP; MOV18; Ovarian cancer associated antigen; Ovarian tumor associated antigen; Ovarian tumor associated antigen MOV18; Ovarian tumor-associated antigen MOV18; FOLR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human FOLR1
Sequence Length	257
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva, urine and human milk
Assay Type	Sandwich
Detection Range	46.9pg/ml-3000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human FOLR1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FOLR1 elisa kit	Principle of the assay: human FOLR1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for FOLR1 has been precoated onto 96-well plates. Standards(E.coli, R25-S234) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for FOLR1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human FOLR1 amount of sample captured in plate. Background: Folate receptor 1 adult is a protein that in humans is encoded by the FOLR1 gene. The protein encoded by this gene is a member of the folate receptor(FOLR) family. It is mapped to 11q13.4. FOLR1 expression in Jurkat cells facilitated MBG or EBO entry, and FR-blocking reagents inhibited infection of MBG or EBO. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. The FOLR1 gene encodes the adult folate receptor, or folate-binding protein (FBP), which has a high affinity for folic acid and for several reduced folic acid derivatives, and mediates delivery of 5-methyltetrahydrofolate to the interior of cells. FOLR1 is also an important regulator of milk protein synthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544337
NCBI GeneID	2348
UniProt Accession #	P15328; Q53EW2; Q6FGT8; Q6LC90; Q9UCT2
Molecular Weight	29,819 Da
NCBI Official Full Name	Folate receptor alpha
NCBI Official Synonym Full Names	folate receptor 1 (adult)
NCBI Official Symbol	FOLR1
NCBI Official Synonym Symbols	FBP; FOLR
NCBI Protein Information	folate receptor alpha; FR-alpha; KB cells FBP; folate binding protein; folate receptor, adult; adult folate-binding protein; ovarian tumor-associated antigen MOv18
UniProt Protein Name	Folate receptor alpha
UniProt Gene Name	FOLR1
UniProt Synonym Gene Names	FOLR; FR-alpha; FBP
UniProt Entry Name	FOLR1_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.