

Human FOLR2 ELISA Kit | FOLR2 elisa kit

Human FOLR2 PicoKine ELISA Kit

CATALOG #
AAA46778

REACTIVITY
Human

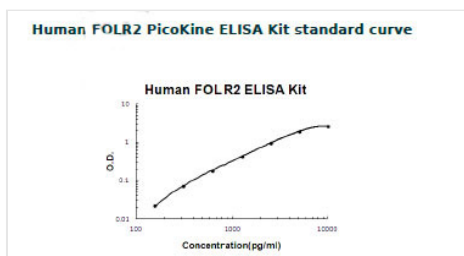
PRODUCT SYNONYMS

FOLR2; Human FOLR2 PicoKine ELISA Kit; beta hFR; FBP; FBP/PL 1; FBP2; Folbp 2; Folbp2; Folr2; FR beta; FR P3; FR-beta; P14207; Folate receptor beta; FOLR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FOLR2
Sequence Length	255
Samples	Cell culture supernates and serum
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<1pg/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 across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FOLR2 elisa kit	Principle of the Assay: The Picokine™ Human FOLR2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human FOLR2 with a 96-well strip plate that is pre-coated with antibody specific for FOLR2. The detection antibody is a biotinylated antibody specific for FOLR2. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human FOLR2 with immunogen: Expression system for standard: NSO, Immunogen sequence: T17-N230. The kit is analytically validated with ready to use reagents. To measure Human FOLR2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human FOLR2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human FOLR2 in the sample. Background/Introduction: Folate receptor beta is a protein that in humans is encoded by the FOLR2 gene. The protein encoded by this gene is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. Multiple transcript variants that encode the same protein have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166064050
NCBI GeneID	2350
NCBI Accession #	NP_000794.3
NCBI GenBank Nucleotide #	NM_000803.4
UniProt Accession #	P14207; Q05CA5; Q6GTE8
Molecular Weight	29,280 Da
NCBI Official Full Name	folate receptor beta
NCBI Official Synonym Full Names	folate receptor beta
NCBI Official Symbol	FOLR2
NCBI Official Synonym Symbols	FBP; FR-P3; FR-BETA; BETA-HFR; FBP/PL-1
NCBI Protein Information	folate receptor beta
UniProt Protein Name	Folate receptor beta
UniProt Gene Name	FOLR2
UniProt Synonym Gene Names	FR-beta; FBP

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.