

Datasheet for KOA0731**Human FOLR1 ELISA Kit****Overview**

Description:	Human FOLR1 AccuSignal ELISA Kit - KOA0731
Item No.:	KOA0731
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	46.9 pg/ml - 3,0000 pg/ml

Product Details

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.
Synonyms:	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 alpha, Folate receptor, FOLR, FOLR1, 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
Detection Kit Type:	ELISA Kit
Detection Range:	46.9 pg/ml - 3,0000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	FOLR1
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: R25-S234
Purity/Specificity:	Natural and recombinant human FOLR1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P15328 • NCBI - NP_000793.1 • GeneID - 2348 • KOA0731 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 3000pg/ml, 1500pg/ml, 750pg/ml, 419pg/ml, 188pg/ml, 94pg/ml, 46.9pg/ml human FOLR1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA), saliva, urine or human milk to each empty well. We recommend that each human FOLR1 standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	46.9 - 3,0000 pg/ml
Other:	DOE: 2-8° C - 04/20/2022 -20° C - 10/19/2022

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images



ELISA

Human FOLR1 ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.