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Anti-FOLR1 / FRA Reference Antibody (mirvetuximab)

Recombinant Antibody
Catalog # APR10114

Specification

Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) - Product Information

Application	**FC, E, FTA**
Primary Accession	P15328
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**150 KDa**

Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) - Additional Information

Target/Specificity
FOLR1 / FRA

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) - Protein Information

Name FOLR1

Synonyms FOLR

Function
Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells (PubMed:19074442, PubMed:23851396, PubMed:23934049, PubMed:2527252, PubMed:8033114, PubMed:8567728). Has high affinity for folate and folic acid analogs at neutral pH (PubMed:23851396, PubMed:<a

href="http://www.uniprot.org/citations/23934049" target="_blank">23934049, PubMed:2527252, PubMed:8033114, PubMed:8567728). Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release (PubMed:8567728). Required for normal embryonic development and normal cell proliferation (By similarity).

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor Apical cell membrane; Lipid-anchor, GPI- anchor Basolateral cell membrane; Lipid-anchor, GPI-like-anchor. Secreted Cytoplasmic vesicle. Cytoplasmic vesicle, clathrin-coated vesicle. Endosome. Note=Endocytosed into cytoplasmic vesicles and then recycled to the cell membrane

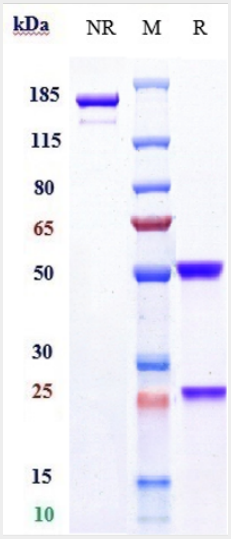
Tissue Location
Primarily expressed in tissues of epithelial origin. Expression is increased in malignant tissues. Expressed in kidney, lung and cerebellum. Detected in placenta and thymus epithelium.

Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) - Images



Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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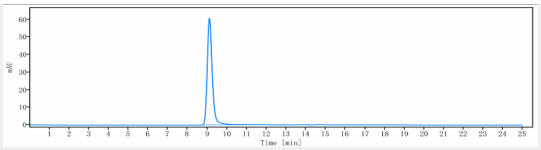
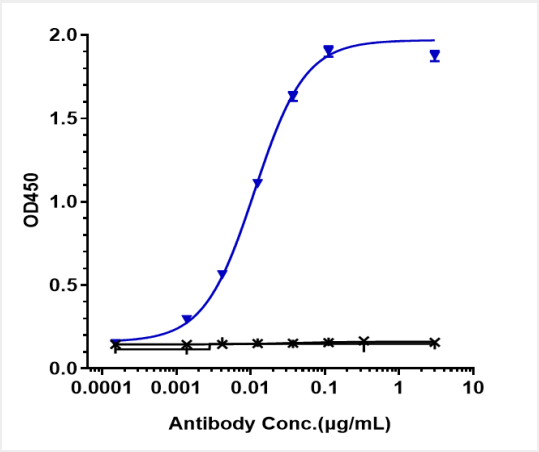
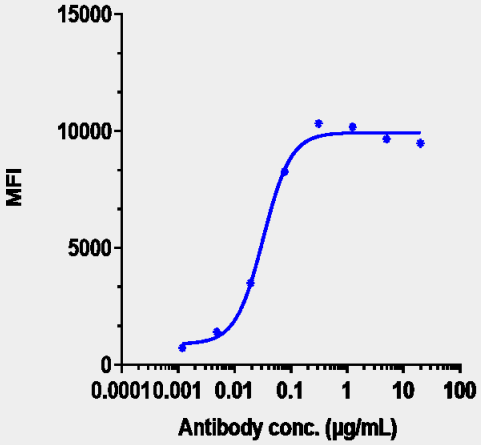


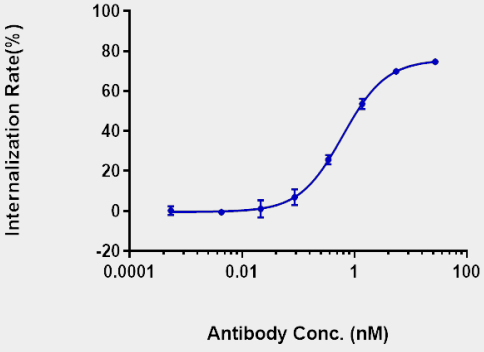
The purity of Anti-FOLR1 / FRA Reference Antibody (mirvetuximab)is more than 100% ,determined by SEC-HPLC.



Immobilized human FRa His at 2 μg/mL can bind Anti-FOLR1 / FRA Reference Antibody (mirvetuximab)，EC50=0.01123 μg/mL



SKOV3 cells were stained with Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC168=0.03238 ug/mL



The endocytosis ratio mirvetuximab by Human Frα HEK 293 increased with the increase of antibody concentration, and the Internalization Rate (%) 75% at antibody concentration of 55 ng/mL.