

# Anti-FOLR1 / FRA Reference Antibody (mirvetuximab)

Recombinant Antibody

Catalog # APR10114

## Product Information

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<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">P15328</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	29819

## Additional Information

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<b>Target/Specificity</b>	FOLR1 / FRA
<b>Endotoxin</b>	
<b>Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

## Protein Information

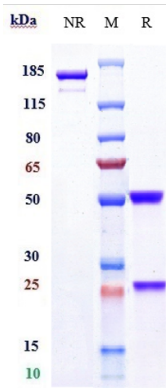
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<b>Name</b>	FOLR1
<b>Synonyms</b>	FOLR
<b>Function</b>	Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells (PubMed: <a href="#">19074442</a> , PubMed: <a href="#">23851396</a> , PubMed: <a href="#">23934049</a> , PubMed: <a href="#">2527252</a> , PubMed: <a href="#">8033114</a> , PubMed: <a href="#">8567728</a> ). Has high affinity for folate and folic acid analogs at neutral pH (PubMed: <a href="#">23851396</a> , PubMed: <a href="#">23934049</a> , PubMed: <a href="#">2527252</a> , PubMed: <a href="#">8033114</a> , PubMed: <a href="#">8567728</a> ). Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release (PubMed: <a href="#">8567728</a> ). Required for normal embryonic development and normal cell proliferation (By similarity).
<b>Cellular Location</b>	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

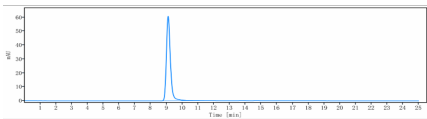
Tissue Location

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.

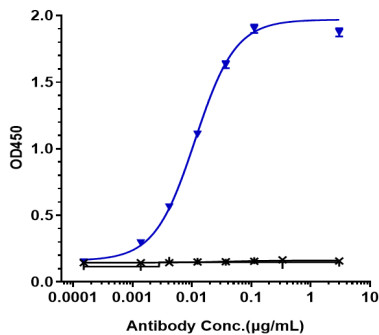
Images



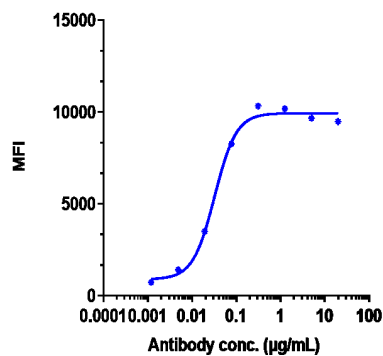
Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



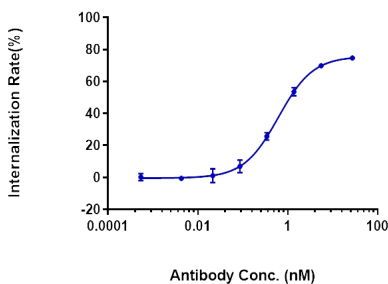
The purity of Anti-FOLR1 / FRA Reference Antibody (mirvetuximab) is more than 100% ,determined by SEC-HPLC.



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 µg/mL



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.