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# Anti-FOLH1 / PSMA Reference Antibody (rosopatamab-MMAE)

Recombinant Antibody
Catalog # APR10912

## Product Information

| | |
|---|---|
| **Application** | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| **Primary Accession** | Q04609 |
| **Reactivity** | Human |
| **Clonality** | ADC |
| **Isotype** | IgG1 |
| **Calculated MW** | 84331 |

## Additional Information

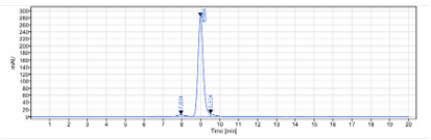
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|---|---|
| **Target/Specificity** | FOLH1 / PSMA |
| **Endotoxin** | |
| **Conjugation** | MMAE |
| **Expression system** | CHO |
| **Format** | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column. |

## Protein Information

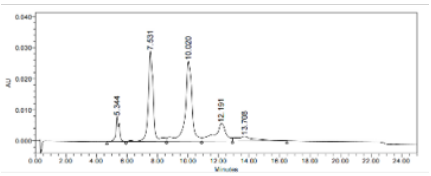
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|---|---|
| **Name** | FOLH1 ( HGNC:3788) |
| **Synonyms** | FOLH, NAALAD1, PSM, PSMA |
| **Function** | Has both folate hydrolase and N-acetylated-alpha-linked- acidic dipeptidase (NAALADase) activity. Has a preference for tri- alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Involved in prostate tumor progression. |
| **Cellular Location** | Cell membrane; Single-pass type II membrane protein |
| **Tissue Location** | Highly expressed in prostate epithelium. Detected in urinary bladder, kidney, testis, ovary, fallopian tube, breast, adrenal gland, liver, esophagus, stomach, small intestine, colon and brain (at protein level). Detected in the small intestine, brain, kidney, liver, spleen, colon, trachea, spinal cord and the capillary endothelium of a variety of tumors. Expressed specifically in jejunum brush border membranes. In the brain, highly expressed in the ventral |

striatum and brain stem. Also expressed in fetal liver and kidney Isoform PSMA' is the most abundant form in normal prostate. Isoform PSMA-1 is the most abundant form in primary prostate tumors. Isoform PSMA-9 is specifically expressed in prostate cancer

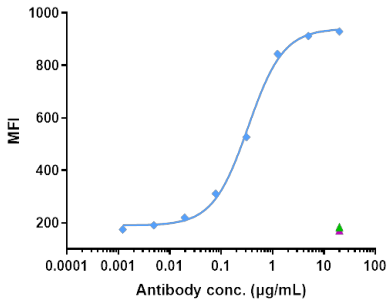
## Images



The purity of Anti-FOLH1 / PSMA Reference Antibody (rosopatamab-MMAE) is more than 95%, determined by SEC-HPLC.



The drug-to-antibody ratio (DAR) of the Anti-FOLH1 / PSMA Reference Antibody (rosopatamab-MMAE) is 3.6.




THP-1 Cell Line were stained Anti-FOLH1 / PSMA Reference Antibody (rosopatamab-MMAE) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.34 ug/mL.

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