

## Rabbit anti-Human RFC/SLC19A1 Polyclonal Antibody | anti-SLC19A1 antibody

Anti-RFC/SLC19A1 Antibody Picoband

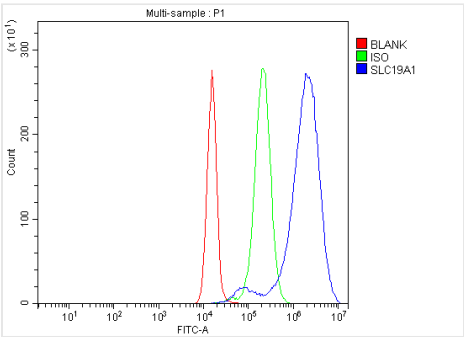
|                               |                       |                            |                                                                              |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA126165</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Flow Cytometry, Functional Assay, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

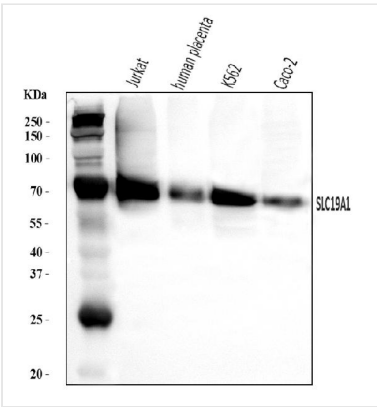
RFC/SLC19A1; Polyclonal Antibody; Anti-RFC/SLC19A1 Antibody Picoband; anti-SLC19A1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                        | Human                                                                                                                                                                                                                        |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                   |
| Specificity                                       | Natural and recombinant Human CXCL13                                                                                                                                                                                         |
| Purity/Purification                               | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                       | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                     | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-SLC19A1 antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                          |
| Assay Type                                        | Sandwich                                                                                                                                                                                                                     |
| Samples                                           | Cell culture supernatants, serum, plasma (heparin, EDTA) and saliva                                                                                                                                                          |
| Detection Range                                   | 15.6 pg/ml - 1,000 pg/ml                                                                                                                                                                                                     |
| Sensitivity                                       | <1 pg/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 inter-assay precision.                                                                        |
| Preparation and Storage                           | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |



**FCM/FACS (Flow Cytometry)**  
Figure 2. Flow Cytometry analysis of JK cells using anti-RFC/SLC19A1 antibody (AAA126165). Overlay histogram showing JK cells stained with AAA126165 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RFC/SLC19A1 Antibody (AAA126165, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



**WB (Western Blot)**  
Figure 1. Western blot analysis of RFC/SLC19A1 using anti-RFC/SLC19A1 antibody (AAA126165). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human placenta tissue lysates, Lane 3: human K562 whole cell lysates, Lane 4: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RFC/SLC19A1 antigen affinity purified polyclonal antibody (#AAA126165) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RFC/SLC19A1 at approximately 65 kDa. The expected band size for RFC/SLC19A1 is at 65 kDa.

ADDITIONAL INFORMATION

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| <b>Related Product Information for anti-SLC19A1 antibody</b> | <p>Background: C-X-C motif chemokine 13(CXCL13), also known as B lymphocyte chemoattractant(BLC), is a protein that in humans is encoded by theCXCL13 gene. CXCL13 is a small cytokine belonging to the CXC chemokine family, and it was located on sequence maps to 4q21, near the genes encoding most CXC chemokines. In T-lymphocytes, CXCL13 expression is thought to reflect a germinal center origin of the T-cell. Hence, expression of CXCL13 in T-cell lymphomas, such as Angioimmunoblastic T-cell Lymphoma, is thought to reflect a germinal center origin of the neoplastic T-cells</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                              | <p>Principle of the Assay: The Quick Picokine™ Human CXCL13 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CXCL13 in cell culture supernatants, serum, plasma (heparin, EDTA) and saliva. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Human CXCL13 with immunogen: Expression system for standard: E.coli; Immunogen sequence: V23-R94. To measure Human CXCL13, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human CXCL13 in the sample. Read the absorbance 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 CXCL13 in the sample.</p> |
| <b>Product Categories/Family for anti-SLC19A1 antibody</b>   | <a href="#">Primary Antibodies, Rabbit Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                  |                                |
|------------------|--------------------------------|
| NCBI GI #        | <a href="#">327199314</a>      |
| NCBI GeneID      | <a href="#">6573</a>           |
| NCBI Accession # | <a href="#">NP_001192135.1</a> |

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | NM_001205206.1                                                 |
| UniProt Accession #              | P41440; O00553; O60227; Q13026; Q9BTX8; B2R7U8; B7Z8C3; E9PFY4 |
| Molecular Weight                 | 54,262 Da                                                      |
| NCBI Official Full Name          | folate transporter 1 isoform 2                                 |
| NCBI Official Synonym Full Names | solute carrier family 19 member 1                              |
| NCBI Official Symbol             | SLC19A1                                                        |
| NCBI Official Synonym Symbols    | CHMD; FOLT; IFC1; REFC; RFC1                                   |
| NCBI Protein Information         | folate transporter 1                                           |
| UniProt Protein Name             | Folate transporter 1                                           |
| UniProt Gene Name                | <b>SLC19A1</b>                                                 |
| UniProt Synonym Gene Names       | FLOT1; RFC1; FOLT; IFC-1; RFC                                  |
| UniProt Entry Name               | S19A1_HUMAN                                                    |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rfc-slc19a1-antibody-flow-cytometry-western-blot-elisa/126165>