



## ***Biotinylated Anti-human FOLR1 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF5646

**Lot Number:** CCOJ01

**Size:** 50 µg

**Formulation:** 0.2 µm filtered solution in PBS with BSA

**Storage:** -20° C

**Reconstitution:** sterile 0.1% BSA in TBS

**Specificity:** human FOLR1

**Immunogen:** CHO cell-derived rhFOLR1

**Ig Type:** goat IgG

**Application:** Western blot

### ***Background***

Folate receptor 1 (FOLR1; also folate receptor alpha, folate binding protein 1, and MOv18) is a 37 - 42 kDa member of the folate receptor family. FOLR1 is expressed in reticulocytes and placenta, plus renal, mammary and thymic epithelium, where it mediates the transport of 5-methyltetrahydrofolate into the cell. The human FOLR1 preproprecursor is 257 amino acid (aa) in length. It codes for a GPI-linked glycoprotein that is 210 aa in size (aa 25 - 234). There are two forms of FOLR1. One is GPI-linked, while the other is a soluble MMP cleavage product (aa 25 - 226). There is one potential alternate splice form that shows a five aa substitution for aa 121 - 205. Over aa 25 - 233, human FOLR1 shares 83% aa identity with mouse FOLR1.

### ***Preparation***

Produced in goats immunized with purified, CHO cell-derived, recombinant human FOLR1 (rhFOLR1; aa 25 - 233; Accession # P15328). Human FOLR1 specific IgG was purified by human FOLR1 affinity chromatography and then biotinylated.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

### ***Reconstitution***

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody has been selected for use as a detection antibody in human FOLR1 Western blots.

### ***Application***

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human FOLR1. The detection limit for rhFOLR1 is approximately 25 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 10% cross-reactivity with rhFOLR2 and less than 1% cross-reactivity with rhFOLR3.

**Optimal dilutions should be determined by each laboratory for each application.**