

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human FOLR4 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) FOLR1, rhFOLR2, and rhFOLR3 is observed.                                                                                                |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human FOLR4<br>Glu134-Asn210<br>Accession # NP_001073955                                                                                                                                                                                |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

FOLR4 (Folate receptor 4; also FR4 and folate receptor  $\delta$  and folate binding protein 3) is a 34-36 kDa member of the folate receptor family of molecules. Based on mouse, it appears to be a marker for subsets of T cells. In particular, and in conjunction with CD25, FR4<sup>hi</sup>CD25<sup>hi</sup> expression defines T reg cells, FR4<sup>lo</sup>CD25<sup>+</sup> expression pattern identifies effector memory T cells, and a FR4<sup>hi</sup>CD25<sup>-</sup> combination characterizes central memory T cells. Mature human FOLR4 is 225 amino acids (aa) in length (aa 20-244). It contains virtually no identifiable motifs. There is one potential splice variant that shows a five aa substitution for aa 111-116. Over aa 134-220, human FOLR4 shares 72% aa identity with mouse FOLR4.

## PRODUCT SPECIFIC NOTICES

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