

**DESCRIPTION**

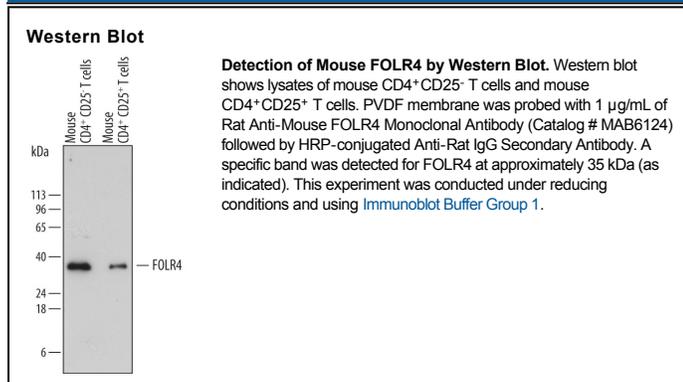
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse FOLR4 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) FOLR1, rmFOLR2, recombinant human (rh) FOLR3, or rhFOLR4 is observed. In Western blots, no cross-reactivity with rhFOLR1, 2, or 3 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 721601
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse FOLR4 Gly20-Ser100 Accession # Q9EQF4
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

FOLR4 (folate receptor 4; also FR4, FR-d and FOLBP-3) is a 35 kDa glycoprotein member of the folate receptor family. It is found on mouse Treg cells, particularly those classified as natural, and CD4<sup>+</sup> CD25<sup>-</sup> T cells that produce low amounts of IFN-γ. Although folate family receptors can internalize folate, they are generally not the principal conduits for folate uptake. Mouse FOLR4 preproprecursor is 244 amino acids (aa) in length. It contains a 19 aa signal sequence plus a 225 aa proform. While there are no definitive structural motifs, there is presumably a C-terminal propeptide that gives rise to a GPI-linkage. There are three potential isoforms. One is 37 kDa in size and shows a 36 aa insertion after Glu155. Two others show a deletion of aa 47-109, and a 17 aa substitution for aa 157-244. Over aa 20-100, mouse FOLR4 shares 84% and 70% aa identity with rat and human FOLR4, respectively.