

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FOLR4 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 821221
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FOLR4 Glu134-Trp210 Accession # A6ND01
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Immunohistochemistry 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 known as FR4, Folate Receptor δ, 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^{hi}CD25^{hi} expression defines T reg cells, FR4^{lo}CD25⁺ expression pattern identifies effector memory T cells, and a FR4^{hi}CD25⁻ 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.

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