

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
Formulation	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.

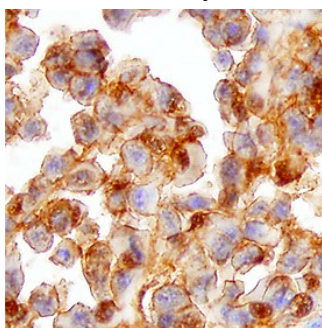
APPLICATIONS

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.

	Recommended Concentration	Sample
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



FOLR4 in Human Melanoma. FOLR4 was detected in immersion fixed paraffin-embedded sections of human melanoma using Rat Anti-Human FOLR4 Monoclonal Antibody (Catalog # MAB6328) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS017) and counterstained with hematoxylin (blue). Specific staining was localized to the plasma membranes of cancer cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.