

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FOLR2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human FOLR1, 3, or 4 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 583121
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human FOLR2 Gln22-His228 Accession # P14207
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.

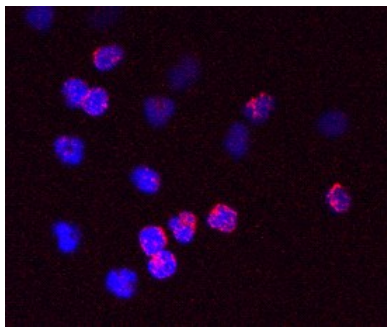
APPLICATIONS

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
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



FOLR2 in Human Neutrophils.
FOLR2 was detected in immersion fixed human neutrophils using Mouse Anti-Human FOLR2 Monoclonal Antibody (Catalog # MAB5697) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cell surfaces and cytoplasm. View our protocol for [Fluorescent ICC Staining of Non-adherent Cells](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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

Folate Receptor 2 (FOLR2), also known as Folate Receptor beta, is a 38 kDa glycoprotein that is anchored to the membrane via glycosyl phosphatidylinositol. It mediates the cellular uptake of dietary folates that are required for key steps in amino acid metabolism. FOLR2 is predominantly expressed in placenta, myeloid cells, and some CD34⁺ hematopoietic progenitor cells. It is upregulated on some cancer cells and at sites of chronic inflammation. Human FOLR2 shares 83% amino acid sequence identity with mouse and rat FOLR2.