ARG42341
anti-FOLR2 antibody [EM-35] (PE)

Package: 50 µg
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [EM-35] recognizes FOLR2
Tested Reactivity	Hu
Species Does Not React With	Ms
Tested Application	FACS
Specificity	The mouse monoclonal antibody EM-35 recognizes an extracellular epitope on FOLR2, a 30-40 kDa cell surface protein serving as a receptor for folic acid.
Host	Mouse
Clonality	Monoclonal
Clone	EM-35
Isotype	IgG1
Target Name	FOLR2
Species	Human
Immunogen	BW5147 alpha, beta cells.
Conjugation	PE
Alternate Names	Folate receptor 2; BETA-HFR; FBP; Folate receptor beta; Folate receptor, fetal/placental; FBP/PL-1; FR-beta; FR-P3; Placental folate-binding protein; FR-BETA

Application Instructions

Application table

Application	Dilution
FACS	1 - 5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

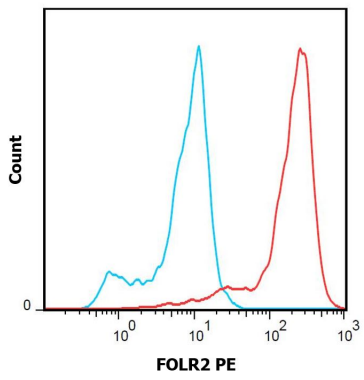
Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FOLR2
Gene Full Name	folate receptor 2 (fetal)
Background	The protein encoded by this gene is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. Multiple transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. [UniProt]
Calculated Mw	29 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. [UniProt]

Images



ARG42341 anti-FOLR2 antibody [EM-35] (PE) FACS image

Flow Cytometry: FOLR2 transfectants (red) stained with ARG42341 anti-FOLR2 antibody [EM-35] (PE), compared with blank (blue).