9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-9244: Anti-FOLR1 antibody(DMC391), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	DMC391
Application :	FACS
Reactivity :	Human
Alternative Name :	FBP, FOLR, FRalpha

Description

The protein encoded by this gene is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene.

Product Info

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Not Sterile
Storage condition :	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

FACS 1/100

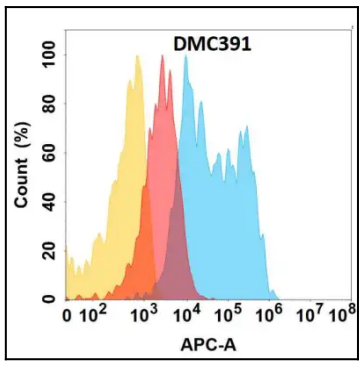

Figure 1. FOLR1 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-FOLR1 (DMC391) on Expi293 cells transfected with human FOLR1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

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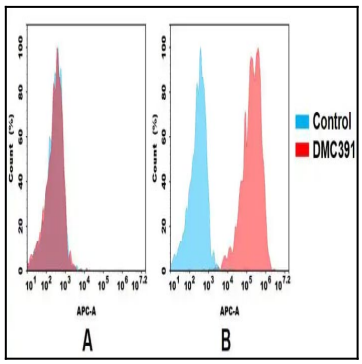

Figure 2. Flow cytometry analysis of antigen binding of anti-human FOLR1 mAb. (A) Anti-human FOLR1 mAb does weakly bind to Jurkat cells that do not express FOLR1. (B) A clear peak shift of anti-human FOLR1 mAb was seen compared to the control when incubated with FOLR1-expressing Hela cells, indicating strong binding of anti-human FOLR1 mAb to FOLR1. Antibodies were incubated at 2 Î¼g/mL.