

Anti-Folate receptor beta [CL10] Standard Size Ab00498-2.0

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: CL10

Alternative Name(s) of Target: FR β ; Folate receptor 2; Folate-binding protein 2.

UniProt Accession Number of Target Protein: Q05685

Published Application(s): WB, IHC

Published Species Reactivity: Mouse

Immunogen: FR β -transfected RBL2H3 cells.

Specificity:

Application Notes: The antibody binds specifically to FR β , a member of the folate receptor family. The receptor binds with high affinity to folic acid and folic acid derivatives, and transports 5-methyltetrahydrofolate into the cell. The receptor is expressed on the surface of tumour associated macrophages (TAMs) that promote growth and metastasis of tumours such as gliomas and colon, breast and lung carcinomas. Research has shown FR β is only expressed on activated macrophages, and thereby a monoclonal antibody that targets the receptor can be useful in the diagnosis of the cancer. Furthermore, the antibody may be conjugated with a toxin, delivering the drug only to TAMs and not to healthy macrophages.

Antibody First Published in: Nagai T, Tanaka M, Tsuneyoshi Y, Xu B, Michie SA, Hasui K, Hirano H, Arita K, Matsuyama T. Targeting tumor-associated macrophages in an experimental glioma model with a recombinant immunotoxin to folate receptor beta. *Cancer Immunol Immunother.* 2009 Oct;58(10):1577-86. [PMID:19238383](#)

Note on publication: Describes the expression of folate receptor beta on macrophages in glioblastomas, and the production of an antibody against the receptor which can reduce tumour growth.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.