
Product Datasheet

FOLR1 Antibody (orb1906393)

Description

FOLR1 Antibody

Species/Host

Human

Reactivity

Human, Primate

Conjugation

Unconjugated

Tested Applications

ELISA, FA, Functional Studies, IHC

Immunogen

The original parental mouse antibody was generated by immunizing (BALB/c X C57BL/6) F1 mice by intraperitoneal injection containing cultured LU-75(c) choriocarcinoma cells to produce hybridomas that generated the antibody LK26. Later on the Farletuzumab was generated by CDR grafting technique by taking CDRs of mouse parental clone LK26 and grafting them on human framework regions.

Target

FOLR1

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Note

For research use only

Application notes

This antibody was derived from the optimization of mouse parental LK26 antibody using a whole cell genetic evolution platform. This antibody possess growth-inhibitory activity on cells overexpressing FR-alpha. It elicited robust antibody-dependent cellular cytotoxicity (ADCC) and complement-dependent cytotoxicity (CDC) in vitro, and inhibited growth of human ovarian tumor xenografts in nude mice (PMID: 17346028). Immunohistochemistry studies determined that MORAb-003 infrequently stained the tubular epithelium, epithelium of the fallopian tube, and duct epithelium of the pancreas in both normal human and cynomolgus monkey tissues. Cynomolgus monkey was therefore considered an appropriate toxicology model (PMID: 17346028). This antibody was also found to antagonize the activity of human FR α , resulting in the loss of growth advantage conferred by overexpression of FR α under conditions which bracket physiological (10-100 nM) folate concentrations (Routhier et al, 2006). A phase I