

Anti-AdiC [Fab21] Standard Size Ab00407-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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

Isotype and Format: Mouse IgG1, Fc Silent™, Kappa

Clone Number: Fab21

Alternative Name(s) of Target: Arginine:Agmatine Antiporter

UniProt Accession Number of Target Protein: P60061

Published Application(s): ELISA

Published Species Reactivity: E. coli, Salmonella enterica

Immunogen: E.coli AdiC.

Specificity: Binds to the AdiC transporter of various enteric bacteria, including E.coli and S. enterica.

Application Notes: This antibody binds to AdiC of enteric bacteria. AdiC is a membrane protein acting as a transporter that imports arginine from the gastric juice and exports its decarboxylation product agmatine along with protons. AdiC is responsible for the acid-resistance of enteric bacteria. The antibody does not inhibit function of the transporter.

Antibody First Published in: Fang et al. Structure of a prokaryotic virtual proton pump at 3.2 Å resolution. Nature 2009; 460(7258):1040-1043 [PMID:19578361](#)

Note on publication: Describes the crystallisation of AdiC, an L-arginine transporter, with the aid of an AdiC-binding Fab.

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.