

Anti-AdiC [Fab21] Standard Size Ab00407-1.1

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, 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.