# 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:Agmantine 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 A 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 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
**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.

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