

SLC4A1 Monoclonal Antibody (BIII 136)

Catalog Number MA1-20211

Product Data Sheet

Details		Species Reactivity	
Size	100 µL	Tested species reactivity	Human
Host / Isotype	Mouse IgG2a	Published Species Reactivity	Human
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	ELISA (ELISA)	Assay dependent
Clone	BIII 136	Flow Cytometry (Flow)	Assay Dependent
Immunogen	Purified, full length, native, human band 3 protein.	Immunocytochemistry (ICC)	Assay-dependent
Conjugate	Unconjugated	Immunofluorescence (IF)	Assay dependent
Form	Liquid	Immunoprecipitation (IP)	Assay dependent
Storage Buffer	Ascites	Western Blot (WB)	1:5000
Contains	15mM sodium azide	Published Applications	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.	Western Blot (WB)	See 1 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product Specific Information

MA1-20211 detects band 3 in human samples. This antibody does not cross react with porcine, mouse, bovine, canine, guinea pig, or equine Band 3.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial. For short-term storage (1-2 weeks), product can be stored at 4°C. For long-term storage, aliquot and store product at -20° C or below, avoiding multiple freeze-thaw cycles.

Background/Target Information

The Band 3 protein is the most abundant integral protein of human erythrocyte membranes and functions as the major anion transporter polypeptide of erythrocytes. Band 3 is a 90-100 kD protein, its microheterogeneity is ascribed mainly to the structural heterogeneity of the carbohydrate moiety. The C-terminal portion of the molecule spans the membrane several times, and is responsible for anion transport. The N-terminal portion, comprising almost half of the polypeptide chain of Band 3, is located inside the red cell and interacts with cytoskeletal and cytoplasmic proteins such as ankyrin.

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