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CFTR Monoclonal Antibody (MM13-4)

Catalog Number **MA1-90819**

Product data sheet

Details	
Size	500 µL
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	MM13-4
Immunogen	A synthetic peptide corresponding to a region within amino acids 1387 and 1480 of human CFTR.
Conjugate	Unconjugated
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	10mM PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, do not freeze

Species Reactivity	
Species reactivity	Human

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL
Immunocytochemistry (ICC/IF)	Assay-dependent

* 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

Staining of formalin fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes. A suggested positive control for this product is pancreas.

Background/Target Information

Cystic Fibrosis (CF) is a common lethal genetic disease caused by mutations of the gene coding for the cystic fibrosis transmembrane conductance factor, a cAMP regulated chloride channel. Approximately 70% of all CF cases share the deletion of a phenylalanine at position 508 (delta F508) which results in abnormal chloride transport. Since the CF mutation is lethal, most often by lung and liver disease, it raises the question of why this genetic disease remains as common as it is. One possible explanation is that Salmonella typhi has been shown to use CFTR to enter intestinal epithelial cells and that delta F508 heterozygote and homozygote mice showed 86% and 100% reductions in S. typhi intestinal submucosal uptake.

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