

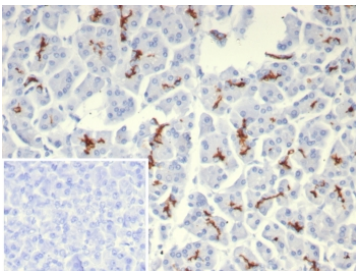
## CFTR Antibody / Cystic Fibrosis Transmembrane Regulator [clone rCFTR/8047] (V5213)

Catalog No.	Formulation	Size
V5213-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5213-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5213SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rCFTR/8047
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P13569
<b>Localization</b>	Cell surface, Cytoplasm
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This CFTR antibody is available for research use only.



IHC staining of FFPE human pancreas tissue with CFTR antibody (clone rCFTR/8047). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Description

Recognizes a protein of 165-170kDa, identified as cystic fibrosis transmembrane conductance regulator (CFTR). CFTR is

composed of two membrane-spanning domains (MSD), two nucleotide-binding domains (NBD), and an R domain. It is structurally similar to multidrug resistance (Mdr1) protein and both are members of the superfamily of ATP-binding cassette (ABC) transporters, also known as traffic ATPases, which are implicated in the movement of various substrates. The CFTR protein is a small conductance adenosine 3',5'-cyclic monophosphate (cAMP)-activated chloride ion channel found in the apical membranes of epithelia within the pancreas, airway, intestine, bile duct, sweat gland, and male genital ducts. CFTR is a valuable marker of human pancreatic duct cell development and differentiation.

This CFTR antibody is part of a [broader CFTR antibody panel](#) offered by NSJ Bioreagents.

## Application Notes

Optimal dilution of the CFTR antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 550-850) from the human protein was used as the immunogen for the CFTR antibody.

## Storage

Aliquot the CFTR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.