

Datasheet for ABIN6174675
anti-CFTR antibody (AA 258-385)



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Overview

Quantity:	100 µL
Target:	CFTR
Binding Specificity:	AA 258-385
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CFTR antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC), Immunostaining (Ist)

Product Details

Purpose:	Mouse Monoclonal anti-CFTR CFTR/1643), Purified, with BSA
Immunogen:	Recombinant human CFTR fragment (aa258-385) (exact sequence is proprietary)
Clone:	CFTR-1643
Isotype:	IgG2b
Characteristics:	This antibody recognizes a protein of 165-170 kDa, 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

Product Details

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. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Purification: Purified

Target Details

Target: CFTR

Alternative Name: CFTR ([CFTR Products](#))

Molecular Weight: 165-170 kDa

Gene ID: 1080

UniProt: [P13569](#)

Application Details

Application Notes: Immunohistology (formalin) 1-2 µg/mL

- Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris, 1 mM EDTA pH 9.0 for 10-20 min followed by cooling at RT for 20 min
- Immunofluorescence 0.5-1 µg/mL
- Optimal dilution for a specific application should be determined by user

Comment: MOLT-4 cells. Pancreas, Kidney or Placenta.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 200 µg/mL

Buffer: PBS/0.05 % BSA/0.05 % azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.