Datasheet for ABIN6174762

Recombinant anti-CFTR antibody (AA 258-385) (CF®647)

Go to Product page

Overview

Quantity:	100 µL
Target:	CFTR
Binding Specificity:	AA 258-385
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CFTR antibody is conjugated to CF®647
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC), Immunostaining (ISt)

Product Details

Purpose:	Recombinant Rabbit Monoclonal anti-CFTR CFTR/1775R), CF647 Conjugate
Immunogen:	Recombinant human CFTR fragment (aa258-385) (exact sequence is proprietary)
Clone:	CFTR-1775R
Isotype:	IgG kappa
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

Product Details

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. 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.

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:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light