

Datasheet for ABIN6174686

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



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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 conjugated to CF®647     |
| Application:         | Immunofluorescence (IF), ELISA, Coating (Coat) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Mouse Monoclonal anti-CFTR CFTR/1644), CF647 Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen:       | Recombinant human CFTR fragment (aa258-385) (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clone:           | CFTR-1644                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype:         | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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.

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | CFTR                                   |
| Alternative Name: | CFTR ( <a href="#">CFTR Products</a> ) |
| Molecular Weight: | 165-170 kDa                            |
| Gene ID:          | 1080                                   |
| UniProt:          | <a href="#">P13569</a>                 |

## Application Details

|                    |                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Immunofluorescence 0.5-1 µg/mL <ul style="list-style-type: none"><li>• ELISA For coating, order Ab without BSA</li><li>• Optimal dilution for a specific application should be determined by user</li></ul> |
| 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 should be handled by trained staff only. |
| Handling Advice:   | Protect from light                                                                                                     |