

Datasheet for ABIN334252  
**anti-MUC1 antibody (FITC)**

2 Images



[Go to Product page](#)

## Overview

|              |                                                                                                                                            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 50 µg                                                                                                                                      |
| Target:      | MUC1                                                                                                                                       |
| Reactivity:  | Human                                                                                                                                      |
| Host:        | Mouse                                                                                                                                      |
| Clonality:   | Monoclonal                                                                                                                                 |
| Conjugate:   | This MUC1 antibody is conjugated to FITC                                                                                                   |
| Application: | Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |                                                                                                                |
|---------------|----------------------------------------------------------------------------------------------------------------|
| Brand:        | IHC-plus™                                                                                                      |
| Immunogen:    | Urinary MUC-1 mucin.                                                                                           |
| Isotype:      | IgG3                                                                                                           |
| Specificity:  | Recognizes human Mucin 1. Recognizes the peptide epitope Arg-Pro-Ala-Pro within the protein core of the mucin. |
| Purification: | Protein G purified                                                                                             |

## Target Details

|                   |                                              |
|-------------------|----------------------------------------------|
| Target:           | MUC1                                         |
| Alternative Name: | EMA / MUC1 ( <a href="#">MUC1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Name/Gene ID: MUC1<br>Family: Mucin<br><br>Synonyms: MUC1, CA15-3, CD227, Carcinoma-associated mucin, CD227 antigen, DF3 antigen, Episialin, Epithelial membrane antigen, H23 antigen, H23AG, Krebs von den Lungen-6, MAM6, MUC1/ZD, MUC-1/SEC, Mucin-1, Pem, KL-6, MUC-1/X, Tumor-associated mucin, Peanut-reactive urinary mucin, Polymorphic epithelial mucin, PUM, EMA, MUC-1, Mucin 1, transmembrane |
| Gene ID:    | 4582                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:    | <a href="#">P15941</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| Pathways:   | <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>                                                                                                                                                                                                                                                                                                                                      |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Approved: Flo, IF, IHC, IHC-P (1:50)<br><br>Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 1:50.<br>Flow Cytometry: Neat-1:10. Use 10 µL to label 10 <sup>6</sup> cells in 100 µL. The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested. |
| Comment:           | Target Species of Antibody: Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

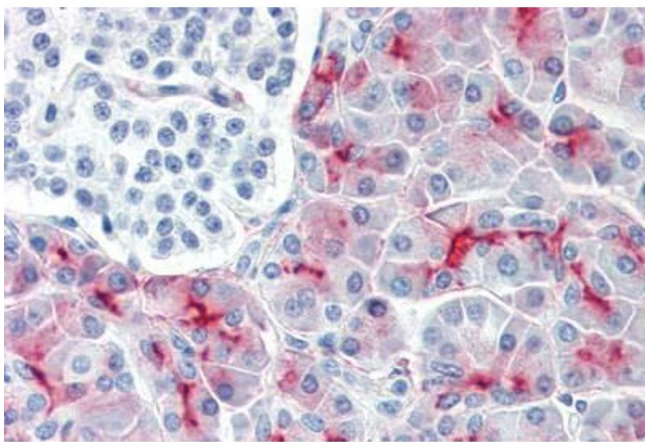
## Handling

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Format:            | Liquid                                                                        |
| Concentration:     | Lot specific                                                                  |
| Buffer:            | PBS, pH 7.4, 0.09 % sodium azide, 1 % BSA                                     |
| Preservative:      | Sodium azide                                                                  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

Handling

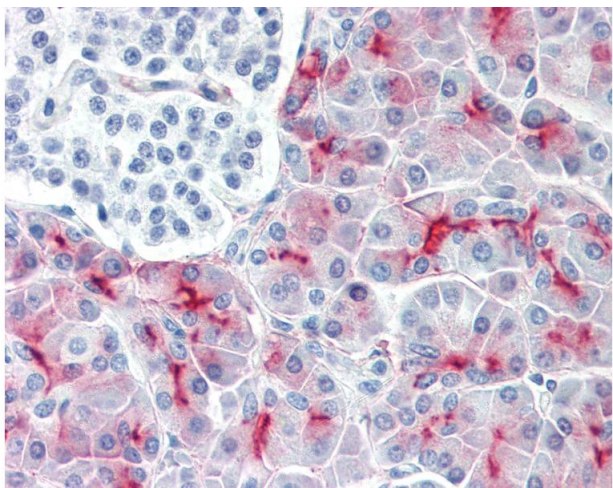
|                  |                                                            |
|------------------|------------------------------------------------------------|
|                  | should be handled by trained staff only.                   |
| Handling Advice: | Protect from light.                                        |
| Storage:         | 4 °C,-20 °C                                                |
| Storage Comment: | Short term: 4°C<br>Long term: -20°C<br>Protect from light. |

Images



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Pancreas (formalin-fixed, paraffin-embedded) stained with MUC1 antibody ABIN334252 at 1:50 followed by biotinylated anti-mouse IgG secondary antibody ABIN481714, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

**Image 2.** Anti-MUC1 antibody IHC of human pancreas. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50. This image was taken for the unconjugated form of this product. Other forms have ...