

Datasheet for ABIN6184496

**Recombinant anti-MUC1 antibody (CF®568)**[Go to Product page](#)

## Overview

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| Quantity:      | 100 µL                                                                     |
| Target:        | MUC1                                                                       |
| Reactivity:    | Human                                                                      |
| Host:          | Mouse                                                                      |
| Antibody Type: | Recombinant Antibody                                                       |
| Clonality:     | Monoclonal                                                                 |
| Conjugate:     | This MUC1 antibody is conjugated to CF®568                                 |
| Application:   | Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Recombinant Mouse Monoclonal anti-MUC1 / EMA / CD227 (rMUC1/960), CF568 Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen:       | Human milk-fat globule membranes (HMFGM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone:           | RMUC1-960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype:         | IgG2b kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Characteristics: | <p>This MAb reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Neuraminidase treatment destroys the antigen. It is a very good tracer agent in CA15.3 assays. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 amino acids tandem repeat which can occur 30-100 times per molecule depending on the length of the allele involved. In the vast majority of human carcinomas this protein is up-regulated and poorly glycosylated and appears on the cell surface</p> |

## Product Details

in a non-polarized fashion. 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:           | MUC1                                                                 |
| Alternative Name: | MUC1 / EMA / CD227 ( <a href="#">MUC1 Products</a> )                 |
| Molecular Weight: | 265-400 kDa                                                          |
| Gene ID:          | 4582, 89603                                                          |
| UniProt:          | <a href="#">P15941</a>                                               |
| Pathways:         | <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Immunohistology (formalin) 0.5-1 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min</li><li>• Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>• Immunofluorescence 1-2 µg/mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul> |
| Comment:           | MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma.                                                                                                                                                                                                                                                                                                                                                            |
| 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

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Handling Advice: Protect from light