



Mouse Anti-Human MUC1 Monoclonal Antibody, clone D606 [Functional Grade] (CABT-Z473M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Immunogen | Purified human MUC1. |
| Isotype | IgG3, κ |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | D606 |
| Purification | Protein A purified |
| Conjugate | Functional Grade |
| Applications | IHC-P, IF, WB, Cyt |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 1 mg |
| Buffer | PBS, pH 7.0. Contains no stabilizers or preservatives. Endotoxin Level<0.002 EU/ μ g by the LAL method. |
| Preservative | None |
| Storage | Store at the stock concentration at 4°C. Do not freeze. |

BACKGROUND

Introduction

MUC1, a 500-1000 kDa transmembrane glycoprotein with a large mucin-like extracellular domain. MUC1 is highly polymorphic and is expressed on most mucosal epithelial cells, including mammary gland and some hematopoietic cells. MUC1 is heavily glycosylated and plays a crucial role in the lubrication and protection of normal epithelial cells. MUC1 is abnormally expressed in a wide variety of malignancies, including colon, breast, ovarian, lung and pancreatic cancers. MUC1 promotes cancer cell growth and metastases through multiple mechanisms.

Keywords

MUC1;mucin 1, cell surface associated; mucin 1, transmembrane, PUM;mucin-1;CD227;PEM

GENE INFORMATION

Gene Name

MUC1

Entrez Gene ID

[4582](#)

UniProt ID

[P15941](#)
