



Mouse Anti-Human Muc1 monoclonal antibody, clone X231 (CABT-L3211)

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

PRODUCT INFORMATION

Specificity	Recognize linear peptide epitope
Target	Human Muc1
Immunogen	Purified natural MUC1
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	X231
Purification	Protein G purified
Conjugate	Unconjugated
Applications	IHC
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS
Preservative	sodium azide
Storage	Long time storage is recommended at -20°C.

BACKGROUND

Introduction

This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.

Keywords

MUC1;mucin 1, cell surface associated;EMA;MCD;PEM;PUM;KL-6;MAM6;MCKD;PEMT;CD227;H23AG;MCKD1;MUC-1;ADMCKD;ADMCKD1;CA 15-3;MUC-1/X;MUC1/ZD;MUC-1/SEC;mucin-1;episialin;DF3 antigen;H23 antigen;cancer antigen 15-3;krebs von den Lungen-6;mucin 1, transmembrane;carcinoma-associated mucin;polymorphic epithelial mucin;peanut-reactive urinary mucin;tumor associated epithelial mucin;breast carcinoma-associated antigen DF3;tumor-associated epithelial membrane antigen;Medullary cystic kidney disease, autosomal dominant;

GENE INFORMATION

Synonyms

MUC1; mucin 1, cell surface associated; EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC; mucin-1; episialin; DF3 antigen; H23 antigen; cancer antigen 15-3; krebs von den Lungen-6; mucin 1, transmembrane; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial mucin; breast carcinoma-associated antigen DF3; tumor-associated epithelial membrane antigen; Medullary cystic kidney disease, autosomal dominant;