Mucin 1 / EMA / Episialin / CD227 **Recombinant Monoclonal Rabbit Antibody** (MUC1/1887R)



Product Description

This MAb reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. It is used as 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 in a non-polarized fashion. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Its epitope is destroyed by desialylation i.e. treatment with Neuraminidase. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low 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. **Stock status**: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order. **Catalog number key for antibody number 1887, Anti-MUC1 / CA15-3 / EMA / CD227 (MUC1/1887R)**

Tumor expression

Call us: 800-304-5357

Antibody number Antibody reactivity (target) Antibody type Host species Clonality Recombinant Monoclonal Clone MUC1/1887R Isotype IgG Molecular weight Synonyms Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Epislalin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1-SEC; MUC-1/X; MUC1-alpha; MUC1-beta; MUC1-CT; MUC1-NT; MUC1-Ize; MUC1-I-NT; MUC1-Ize; MUC1-Ize; Panult-reactive urinary mucin; PEM; PEMT; Polymorphic epithelial mucin; PEMT;	Product attributes				
(target) Antibody type Primary Host species Rabbit Clonality Recombinant Monoclonal Clone MUC1/1887R Isotype IgG Molecular weight 265-400 kDa Synonyms Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Episalin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC1-Ispita, MUC1-I-GT; MUC1-IT; MUC1-IV; MUC1-I-Bta; MUC1-CT; MUC1-NT; MUC1/ZD; Mucin 1 cell surface associated; Mucin-1 subunit beta; Peanut-reactive urinary mucin; PEM; PEMT; POlymorphic epithelial mucin; PUM; Tumor-associated epithelial membrane antigen Human gene symbol MUC1 Entrez gene ID 4582 SwissProt P15941 Unigene 89603 Immunogen Recombinant human MUC1 protein Verified antibody IHC (FFPE) (verified), WB (verified) Verified antibody target cellular localizations Plasma membrane Species reactivity Plasma membrane Human Positive control MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C	Antibody number	#1887			
Rabbit Recombinant Monoclonal	Antibody reactivity	CA15-3, CD227, EMA, MUC1			
Clonality Recombinant Monoclonal Clone MUC1/1887R Isotype IgG Molecular weight 265-400 kDa Synonyms Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Epistalin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1-alpha; MUC1-Deta; MUC1-DF, MUC1-NT; MU	(target) Antibody type	Primary			
Clone MUC1/1887R Isotype IgG Molecular weight 265-400 kDa Synonyms Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Epistalin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1-alpha; MUC1-beta; MUC1-Deta; MUC1-Deta; MUC1-T; MUC1-NT; MUC1-N	Host species	Rabbit			
Isotype IgG	Clonality	Recombinant Monoclonal			
Molecular weight 265-400 kDa	Clone	MUC1/1887R			
Synonyms Breast carcinoma-associated antigen DF3; CA15-3; Carcinoma-associated mucin Epistalin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC-1apha; MUC1-DE4; MUC1-DT, MUC1-NT;	Isotype	IgG			
DF3; CA15-3; Carcinoma-associated mucin Epistalin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1-alpha; MUC1-beta; MUC1-T7; MUC1-NT; MUC1-I7; MUC1-I7; MUC1-NT; MUC1-I7; MUC1-NT; MUC1-I7; MUC1-NT; MUC1-I7; MUC1-NT; MUC1-NT; MUC1-I7; MUC1-NT; MUC1-NT	Molecular weight	265-400 kDa			
Entrez gene ID 4582 SwissProt P15941 Unigene 89603 Immunogen Recombinant human MUC1 protein Verified antibody IHC (FFPE) (verified), WB (verified) Plasma membrane Human Positive control MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Shipping condition Room temperature Storage Conditions Stora	Synonyms	DF3; CA15-3; Carcinoma-associaTed mucin Episialin; Epithelial Membrane Antigen; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1-alpha; MUC1-beta; MUC1-TY; MUC1-MT; MUC1-MC1, MUC1-MC1; MUC1-MC1; MUC1-MC1; MUC1-MC1; MUC1-MC1; Pennut-reactive urinary mucin; PEM; PEMT; Polymorphic epithelial mucin; PUM; Tumor-associated epithelial			
SwissProt P15941 Unigene 89603 Immunogen Recombinant human MUC1 protein Verified antibody IHC (FFPE) (verified), WB (verified) Antibody target cellular localization Species reactivity Plasma membrane Human Positive control MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Shipping condition Room temperature Storage Conditions Storage C	Human gene symbol	MUC1			
Unigene 89603 Immunogen Recombinant human MUC1 protein Verified antibody Antibody target cellular localization Species reactivity Positive control MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Shipping condition Room temperature Storage Conditions Sto	Entrez gene ID	4582			
Immunogen Recombinant human MUC1 protein	SwissProt	P15941			
Verified antibody	Unigene	89603			
Antibody research areas Plasma membrane Human Plasma membrane Human MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Storage Condition Room temperature Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Cancer, Mucins	Immunogen	Recombinant human MUC1 protein			
Antibody target cellular localization Species reactivity Positive control MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Shipping condition Storage Conditions Storage Concept when stored as recommended for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation SSA/0.05% azide, HPT conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.65% azide, Purified: SSA-free: 1 mg/mL in PBS without azide Antibody research areas Cancer, Mucins	Verified antibody	IHC (FFPE) (verified), WB (verified)			
Species reactivity	Antibody target cellular	Plasma membrane			
ovarian, endometrial carcinoma. Shipping condition Room temperature Storage Conditions Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Storage Conditions Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS Without azide Antibody research areas Cancer, Mucins	Species reactivity	Human			
Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C	Positive control				
conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Cancer, Mucins	Shipping condition	Room temperature			
date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation SA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Cancer, Mucins	_	conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C			
Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Cancer, Mucins	Shelf life	date of receipt when stored as			
formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA/ree: 1 mg/mL in PBS without azide Antibody research areas Cancer, Mucins	Regulatory status	For research use only (RUO)			
•		BSÁ/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS			
Cell/tissue expression Epithelial cells, Mammary gland	Antibody research areas	Cancer, Mucins			
	Cell/tissue expression	Epithelial cells, Mammary gland			

Breast cancer

Email: btinfo@biotium.com

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified,	N/A	N/A	N/A	

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