

Anti-MUC1 [SM3]

Catalogue number: 152586

Sub-type: Primary antibody

Images:

Contributor

Inventor: Joyce Taylor-Papadimitriou ; Joy Burchell

Institute: Absolute Antibody ; Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-MUC1 [SM3]

Alternate name: ADMCKD, ADMCKD1, Breast carcinoma associated antigen DF3, Breast carcinoma-associated antigen DF3, CA 15-3, CA15 3, CA15 3 antigen, CA15.3, Cancer antigen 15-3, Carcinoma associated mucin, Carcinoma-associated mucin, CD 227, CD227

Class: Recombinant

Conjugate: Unconjugated

Description: MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. In the vast majority of human carcinomas, this protein is upregulated, poorly glycosylated and appears on the cell surface in a non-polarised fashion. SM3 antibody recognises this under-glycosylated form of MUC1 and is therefore tumour specific and may be relevant for breast cancer therapy. SM3 also detects MUC1 within colon and ovarian cancer and most adenocarcinomas and may be used for immunohistochemistry (reactive with methacarn fixed tissue), and immunotargeting.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Hydrogen fluoride deglycosylated milk mucin.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Ovarian, breast or colon carcinoma, normal intestine or colon

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Mucin1 (MUC1)

Target alternate names:

Target background: MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. In the vast majority of human carcinomas, this protein is upregulated, poorly glycosylated and appears on the cell surface in a non-polarised fashion. SM3 antibody recognises this under-glycosylated form of MUC1 and is therefore tumour specific and may be relevant for breast cancer therapy. SM3 also detects MUC1 within colon and ovarian cancer and most adenocarcinomas and may be used for immunohistochemistry (reactive with methacarn fixed tissue), and immunotargeting.

Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IHC

Application notes:

Handling

Format: Liquid
Concentration: 1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS only
Storage conditions: -20° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-MUC1 [SM3]

References

References: Bofill et al. 1985. J Immunol. 134(3):1531-8. PMID: 3871452. ; Human B cell development. II. Subpopulations in the human fetus.