

Anti-MUC1 [HMFG2]

Catalogue number: 152814

Sub-type: Primary antibody

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-MUC1 [HMFG2]

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: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which detects several glycoforms of MUC1, a marker of breast cancer. Background and Research Application Mucin-1 (MUC1) is a membrane protein present on normal human breast epithelial cells and cell lines derived from breast carcinomas. Human MUC1 is also localised on the surface of the human milk fat globule. MUC1 is a differentiation marker and specific breast epithelial marker in normal and neoplastic mammary development and can be used to monitor response to breast cancer treatment and disease recurrence. Lower levels over time may be indicative of a positive response to treatment. It is upregulated in the lactating breast and in carcinomas. MUC1 also is involved in tumour progression and transcription through regulation of p53. Anti-MUC1 can react with unglycosylated MUC1, and several glycoforms.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 lambda

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen:

Milk fat globule followed epithelial cells cultured from milk

Immunogen UNIPROT ID: P15941

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Mucin1 (MUC1)

Target alternate names:

Target background: Monoclonal antibody which detects several glycoforms of MUC1, a marker of breast cancer. Background and Research Application Mucin-1 (MUC1) is a membrane protein present on normal human breast epithelial cells and cell lines derived from breast carcinomas. Human MUC1 is also localised on the surface of the human milk fat globule. MUC1 is a differentiation marker and specific breast epithelial marker in normal and neoplastic mammary development and can be used to monitor response to breast cancer treatment and disease recurrence. Lower levels over time may be indicative of a positive response to treatment. It is upregulated in the lactating breast and in carcinomas. MUC1 also is involved in tumour progression and transcription through regulation of p53. Anti-MUC1 can react with unglycosylated MUC1, and several glycoforms.

Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IHC ; IP ; Fn ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-MUC1 [HMFG1] ; Anti-MUC1, Recombinant [HMFG2]

References

References:

CancerTools.org