

Anti-MUC1 [C789]

Catalogue number: 153397

Sub-type: Primary antibody

Images:

Contributor

Inventor: Mike Price

Institute: University of Nottingham

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-MUC1 [C789]

Alternate name: CD227; KL6; Mucin 1; PEMT

Class: Monoclonal

Conjugate: Unconjugated

Description: MUC1/CA 15-3 is used as a serological clinical marker of breast cancer to monitor response to breast cancer treatment and disease recurrence. Decreased levels over time may be indicative of a positive response to treatment. Conversely, increased levels may indicate disease progression. At an early stage disease, only 21% of patients exhibit high MUC1/CA 15-3 levels, that is why CA 15-3 is not a useful screening test. Most antibodies target the highly immunodominant core peptide domain of 20 amino acid (APDTRPAPGSTAPPAHGVTSS) tandem repeats. Some antibodies recognize glycosylated epitopes. Medullary cystic kidney disease 1.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human ; Xenopus laevis

Selectivity:

Host: Mouse

Immunogen: need access to this paper to answer this -

<https://www.ncbi.nlm.nih.gov/pubmed/?term=fine+specificity+of+antibody+recognition+of+carcinoma-associated+epithelial+musins>

Immunogen UNIPROT ID:

Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: MUC1

Target alternate names:

Target background: MUC1/CA 15-3 is used as a serological clinical marker of breast cancer to monitor response to breast cancer treatment and disease recurrence. Decreased levels over time may be indicative of a positive response to treatment. Conversely, increased levels may indicate disease progression. At an early stage disease, only 21% of patients exhibit high MUC1/CA 15-3 levels, that is why CA 15-3 is not a useful screening test. Most antibodies target the highly immunodominant core peptide domain of 20 amino acid (APDTRPAPGSTAPPAHGVTSS) tandem repeats. Some antibodies recognize glycosylated epitopes. Medullary cystic kidney disease 1.

Molecular weight: 122 kDa

Ic50:

Applications

Application: IHC
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: -80° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Yew et al. 2013. PLoS One. 8(9):e72637. PMID: 24039787. ; Epimorphin-induced MET sensitizes ovarian cancer cells to platinum. ; Guimaraes-Souza et al. 2012. Nephrol Dial Transplant. 27(8):3082-90. PMID: 22287659. ; In vitro reconstitution of human kidney structures for renal cell therapy.