

Anti-MUC18 [OJ79c MUC 18]

Catalogue number: 151214

Sub-type: Primary antibody

Images:

Contributor

Inventor: Helen Turley

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-MUC18 [OJ79c MUC 18]

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 directed against a marker of melanoma and metastasis.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Recombinant MUC18 (D1-D5) Fc chimeric protein

Immunogen UNIPROT ID: P43121

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: A-375 cell, SK-MEL-24 cell, HUV-EC or HeLa cell lysates. Tonsil or Melanoma.

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: MUC18 (CD146)

Target alternate names:

Target background: CD146 has been identified as a cell adhesion molecule and is useful in differential diagnosis of certain lesions including melanomas and various types of gestational trophoblastic lesions. CD146 is expressed at cell-cell junctions in all endothelial cells. In addition to its recognized role as a calcium-independent cell adhesion molecule, CD146 may also act as a signal transduction molecule in the recruitment of Fyn kinase, and in the subsequent tyrosine-phosphorylation of intracellular proteins involved in actin cytoskeleton assembly. CD146 expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogenous tumour spread. It is found on 80% of advanced primary human melanomas and correlates well with development of metastatic disease. It is associated with poor prognosis.

Molecular weight: 130 kDa

Ic50:

Applications

Application: FACS ; IHC ; IF

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:

References

References: Clinical analysis of the effect of anti-allergy treatment on pocket-related complications following pacemaker implantation; Bai et al. 2017. Exp Ther Med. 13(6):2876-2882. PMID: 28587353. ; In vitro and in vivo bioactivity of recombinant canine hepatocyte growth factor; Arends et al. 2008. Vet J. 178(1):70-7. PMID: 18314358.

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