

Anti-5T4 [B5C9]

Catalogue number: 152710

Sub-type: Primary antibody

Images:

Contributor

Inventor: Peter Stern

Institute: Cancer Research UK Manchester Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-5T4 [B5C9]

Alternate name: Trophoblast Glycoprotein; 5T4 Oncofetal Trophoblast Glycoprotein; Wnt-Activated Inhibitory Factor 1; 5T4 Oncotrophoblast Glycoprotein; 5T4 Oncofetal Antigen; WAIF1; M6P1; 5T4; 5T4AG

Class: Monoclonal

Conjugate: Unconjugated

Description: The murine 5T4 monoclonal antibody, clone B5C9, defines the human 5T4 oncofoetal antigen, a highly glycosylated protein expressed by trophoblast and a few specialized adult epithelia. Up-regulation of 5T4 expression in some cancers is associated with poor clinical outcome; overexpression of human 5T4 cDNA in epithelial cells can alter their morphology and motility, supporting a role for such functions in cancer and development.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Mouse

Selectivity:

Host: Mouse

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: 5T4 oncofetal glycoprotein

Target alternate names:

Target background: The murine 5T4 monoclonal antibody, clone B5C9, defines the human 5T4 oncofoetal antigen, a highly glycosylated protein expressed by trophoblast and a few specialized adult epithelia. Up-regulation of 5T4 expression in some cancers is associated with poor clinical outcome; overexpression of human 5T4 cDNA in epithelial cells can alter their morphology and motility, supporting a role for such functions in cancer and development.

Molecular weight: 46.5 kDa

Ic50:

Applications

Application: ELISA ; FACS ; IF ; Fn ; WB

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: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-5T4 [B1C3] ; Anti-5T4 [B3F1] ; Anti-5T4 [B5C12]

References

References: Robert et al. 2015. Genome Med. 7(1):93. PMID: 26307031. ; Pharmacological inhibition of DNA-PK stimulates Cas9-mediated genome editing. ; Munck et al. 2012. Mol Cancer Ther. 11(8):1789-98. PMID: 22576130. ; Chemosensitization of cancer cells by KU-0060648, a dual inhibitor of DNA-PK and PI-3K.

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