

Anti-Integrin a2b [M148] mAb

Catalogue number: 151128

Sub-type: Primary antibody

Images:

Contributor

Inventor: John Kemshead

Institute: Institute of Child Health

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Integrin a2b [M148] mAb

Alternate name: Integrin Subunit Alpha 2; Alpha 2 Subunit Of VLA-2 Receptor; Platelet Membrane Glycoprotein Ia; CD49 Antigen-Like Family Member B; Collagen Receptor; CD49B; GPIa; Very Late Activation Protein 2 Receptor, Alpha-2 Subunit; Human Platelet Alloantigen System 5; Platelet Glycoprotein GPIa; Platelet Antigen Br; VLA-2 Subunit Alpha; CD49b Antigen; HPA-5; VLA-2; VLAA2; BR

Class: Monoclonal

Conjugate: Unconjugated

Description: M148 prevents aggregation of platelets. Used for imaging and therapy of thrombi. M148 binds to some medulloblastoma and neuroblastoma cells and rhabdomyosarcoma and certain other solid tumours. No binding is observed to marrow constituents other than platelets and megakaryocytes.

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Homogenized human medulloblastoma tissue.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: human platelets and megakaryocytes

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Integrin alpha 2b (CD41)

Target alternate names:

Target background: Integrins are heterodimeric cell surface receptors composed of alpha and beta subunits, which mediate cell-cell and cell-extracellular matrix attachments. Integrin alpha 2b (CD41) and integrin $\beta 3$ (CD61) associate to form the heterodimer integrin $\alpha 2\beta 3$ (CD41/CD61; GPIIb/IIIa), a fibronectin receptor expressed in platelets. Aberrant integrin expression has been found in many epithelial tumours. Changes in integrin expression have been shown to be important for the growth and early metastatic c...

Molecular weight: 110-130 kDa

Ic50:

Applications

Application: FACS ; IHC ; IF ; IP ; Fn

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: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Lane EB et al. 1985. Ann. NY Acad. Sci. 455:241-58. PMID: 2417515 ; Sato et al. 2005. Blood. 106(2):428-35. PMID: 15797992. ; Platelet-derived soluble factors induce human extravillous trophoblast migration and differentiation: platelets are a possible regulator of trophoblast infiltration into maternal spiral arteries. ; Sato et al. 2003. Development. 130(22):5519-32. PMID: 14530297. ; Trophoblasts acquire a chemokine receptor, CCR1, as they differentiate towards invasive phenotype. ; Markey et al. 1991. J Invest Dermatol. 97(5):763-70. PMID: 1717607. ; Expression of simple epithelial keratins 8 and 18 in epidermal neoplasia.

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