

Anti-Integrin Beta 3a (GP11a, CD61) [AP-3]

Catalogue number: 153746

Sub-type: Primary antibody

Images:

Contributor

Inventor: Richard Aster

Institute: Versiti Blood Research Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Integrin Beta 3a (GP11a, CD61) [AP-3]

Alternate name: CD-61

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody specific for human glycoprotein IIIa. Background and Research Application Integrins are heterodimeric cell surface receptors composed of alpha and beta subunits, which mediate cell-cell and cell-extracellular matrix attachments. 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 capacity of melanoma cells. Glycoprotein IIb/IIIa, also known as integrin $\alpha\text{IIb}\beta_3$ is an integrin complex found on platelets. The complex acts as a receptor for both fibrinogen and von Willebrand factor and helps in platelet activation. Defects in glycoprotein IIb/IIIa cause Glanzmann's thrombasthenia, which is an abnormality in the platelets, or bleeding disorder. This antibody is specific for amino acids 50-62 of GP11a.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity:

Selectivity:

Host: Mouse

Immunogen: Human platelet

Immunogen UNIPROT ID: P05106

Sequence:

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

Target details

Target: Integrin Beta 3a (GPIIIa, CD61)

Target alternate names:

Target background: Monoclonal antibody specific for human glycoprotein IIIa. Background and Research Application Integrins are heterodimeric cell surface receptors composed of alpha and beta subunits, which mediate cell-cell and cell-extracellular matrix attachments. 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 capacity of melanoma cells. Glycoprotein IIb/IIIa, also known as integrin $\alpha_{IIb}\beta_3$ is an integrin complex found on platelets. The complex acts as a receptor for both fibrinogen and von Willebrand factor and helps in platelet activation. Defects in glycoprotein IIb/IIIa cause Glanzmann's thrombasthenia, which is an abnormality in the platelets, or bleeding disorder. This antibody is specific for amino acids 50-62 of GP11a.

Molecular weight: ~ 86-87 kDa

Ic50:

Applications

Application: ELISA ; FACS

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: Pidard et al. 1983. J Biol Chem. 258(20):12582-6. PMID: 6226659. ; Interaction of AP-2, a monoclonal antibody specific for the human platelet glycoprotein IIb-IIIa complex, with intact platelets.

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