

Anti-Integrin b3 [F11]

Catalogue number: 151093

Sub-type: Primary antibody

Images: https://res.cloudinary.com/ximbio/image/upload/c_fit/6fe52fcc-ae92-43ee-9abb-ffcc3039d06e.jpg

Contributor

Inventor: Mike Horton

Institute: Queen Mary University of London

Images: https://res.cloudinary.com/ximbio/image/upload/c_fit/6fe52fcc-ae92-43ee-9abb-ffcc3039d06e.jpg

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Integrin b3 [F11]

Alternate name: Neural Cell Adhesion Molecule; NCAM; CD56 Antigen; MSK39

Class: Monoclonal

Conjugate: Unconjugated

Description: The F11 epitope is different to the MHF4 epitope.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human ; Rat

Selectivity:

Host: Mouse

Immunogen: A bone cell suspension containing osteoclasts, osteoblasts and bone marrow cells obtained from the long bones of newborn Sprague Dawley rats.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Neuroblastome

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Integrin α 3 (CD61)

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. 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. Integrin α 3 is expressed in osteoclasts, megacaryocytes and platelets.

Molecular weight: 180 kDa, 140 kDa, 120 kDa

Ic50:

Applications

Application: FACS ; IHC ; IP ; Fn

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:

References

References: Markovic-Lipkovski et al. 2015. PLoS One. 10(9):e0137028. PMID: 26327314. ; Variable Expression of Neural Cell Adhesion Molecule Isoforms in Renal Tissue: Possible Role in Incipient Renal Fibrosis. ; Klehr et al. 2009. J Immunother. 32(5):442-51. PMID: 19609236. ; The novel chimeric anti-NCAM (neural cell adhesion molecule) antibody ch.MK1 displays antitumor activity in SCID mice but does not activate complement-dependent cytotoxicity (CDC). ; Pruszkowski et al. 2007. Stem Cells. 25(9):2257-68. PMID: 17588935. ; Markers and methods for cell sorting of human embryonic stem cell-derived neural cell populations. ; Blaheta et al. 2004. Neoplasia. 6(4):323-31. PMID: 15256054. ; Human cytomegalovirus infection of tumor cells downregulates NCAM (CD56): a novel mechanism for virus-induced tumor invasiveness. ; Jensen et al. 2003. Clin Exp Immunol. 134(2):253-63. PMID: 14616785. ; The bi-specific CD3 x NCAM antibody: a model to preactivate T cells prior to tumour cell lysis. ; Gerardy-Schahn et al. 1994. Int J Cancer Suppl. 8:38-42. PMID: 7515028. ; Hot spots of antigenicity in the neural cell adhesion molecule NCAM. ; Phimister et al. 1991. J Clin Pathol. 44(7):580-5. PMID: 1856291. ; Expression of neural cell adhesion molecule (NCAM) isoforms in neuroblastoma. ; Frost et al. 1991. Neuropathol Appl Neurobiol. 17(3):207-17. PMID: 1891065. ; Expression of alternative isoforms of the neural cell adhesion molecule (NCAM) on normal brain and a variety of brain tumours. ; Bourne et al. 1991. J Neurooncol. 10(2):111-9. PMID: 1895159. ; A monoclonal antibody (ERIC-1), raised against retinoblastoma, that recognizes the neural cell adhesion molecule (NCAM) expressed on brain and tumours arising from the neuroectoderm.