

Anti-CD49e [SNAKA52]

Catalogue number: 152486

Sub-type: Primary antibody

Images:

Contributor

Inventor: Martin Humphries

Institute: University of Manchester

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD49e [SNAKA52]

Alternate name: Integrin Subunit Alpha 5; Fibronectin Receptor Subunit Alpha; CD49 Antigen-Like Family Member E; Integrin Alpha-F; VLA-5; FNRA; Very Late Activation Protein 5; Alpha Subunit; Fibronectin Receptor; Alpha Polypeptide; Fibronectin Receptor; Alpha Subunit; Fibronectin Receptor; Alpha Polypeptide; Integrin Alpha; CD49e Antigen; CD49e; VLA5A

Class: Monoclonal

Conjugate: Unconjugated

Description: CD49e is the integrin alpha 5 chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 5 undergoes post translational cleavage in the extracellular domain to yield disulfide linked light and heavy chains that join with beta 1 to form a fibronectin receptor that is known variously: in lymphocytes as very late (activation) antigen 5 (VLA5); in platelets as glycoprotein Iclla; and in fibroblasts as extracellular matrix receptor 6 (ECM...

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: a5?1 purified from human placenta.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: HeLa cells

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Integrin alpha5 (CD49e)

Target alternate names:

Target background: CD49e is the integrin alpha 5 chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 5 undergoes post translational cleavage in the extracellular domain to yield disulfide linked light and heavy chains that join with beta 1 to form a fibronectin receptor that is known variously: in lymphocytes as very late (activation) antigen 5 (VLA5); in platelets as glycoprotein IcIIa; and in fibroblasts as extracellular matrix receptor 6 (ECM...

Molecular weight:

Ic50:

Applications

Application: ELISA ; 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: Tanaka et al. 2012. Int J Oncol. 41(5):1837-44. PMID: 22923148. ; Differential sensitivity to paclitaxel-induced apoptosis and growth suppression in paclitaxel-resistant cell lines established from HEC-1 human endometrial adenocarcinoma cells. ; Tanaka et al. 2012. Oncol Rep. 28(1):330-6. PMID: 22552543. ; Impaired death-associated protein kinase-mediated survival signals in 5-fluorouracil-resistant human endometrial adenocarcinoma cells. ; Tanaka et al. 2010. Int J Oncol. 37(1):125-31. PMID: 20514404. ; Establishment and characterization of novel human uterine leiomyosarcoma cell lines. ; Tanaka et al. 2009. Int J Mol Med. 23(2):173-80. PMID: 19148540. ; Remodeling of the human endometrial epithelium is regulated by laminin and type IV collagen. ; Tanaka et al. 2008. Int J Mol Med. 22(5):581-7. PMID: 18949377. ; Autocrine/paracrine regulation of human endometrial stromal remodeling by laminin and type IV collagen. ; Tanaka et al. 2008. Oncol Rep. 20(1):13-23. PMID: 18575713. ; Experimental characterization of recurrent ovarian immature teratoma cells after optimal surgery. ; Tanaka et al. 2006. Oncol Rep. 15(4):939-47. PMID: 16525683. ; Optimal combination chemotherapy and chemoradiotherapy with etoposide for advanced cervical squamous cancer cells in vitro. ; Tanaka et al. 2005. Oncol Rep. 14(4):941-8. PMID: 16142355. ; Reduced radiosensitivity and increased CD40 expression in cyclophosphamide-resistant subclones established from human cervical squamous cell carcinoma cells.