

CD28 Human

CD28 Human Recombinant
CDA0050

Product Overview

Name CD28 Human

Description

CD28 Human Recombinant

Accession (Primary) [P10747](#)

Immunogen

Anti-human CD29 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human CD29 amino acids 34-141 purified from E. coli.

Synonyms

Integrin beta-1, Fibronectin receptor subunit beta, Integrin VLA-4 subunit beta, CD29 antigen, ITGB1, CD29, FNRB, MDF2, VLAB, GPIIA, MSK12.

Introduction

Integrin beta 1, also known as CD29, is a 130 kDa transmembrane glycoprotein that forms noncovalent complexes with various Integrin alpha subunits (including alpha 1, alpha 2, alpha 3, alpha 4, alpha 5, and alpha 6, also known as CD49a, CD49b, CD49c, CD49d, CD49e, and CD49f, respectively) to form the functional receptors that bind to specific extracellular matrix proteins. Integrin receptors are involved in the regulation of a variety of important biological functions, including embryonic development, wound repair, hemostasis, and prevention of programmed cell death. They are also implicated in abnormal pathological states such as tumor directed angiogenesis, tumor cell growth, and metastasis. These heterodimeric receptors bridge the cytoplasmic actin cytoskeleton with proteins present in the extracellular matrix and/or on adjacent cells. The clustering of integrins on a cell surface leads to the formation of focal contacts. Interactions between integrins and the extracellular matrix I

Formulation

1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.

Applications

CD29 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Recommended dilution range for Western blot analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:500.

Type

Mouse Anti Human Monoclonal.

Clone

Pk2D5AT.

Ig Subclass

Mouse IgG1 heavy chain and ? light chain.

Purification Method

CD29 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

Storage Procedures

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Stability / Shelf Life

12 months at -20°C. 1 month at 4°C.

Precautions

CD28 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P10747](#))
