Product datasheet

Anti-Integrin alpha 9+beta 1 antibody [Y9A2] ab27947

Overview

Product name  Anti-Integrin alpha 9+beta 1 antibody [Y9A2]
Description  Mouse monoclonal [Y9A2] to Integrin alpha 9+beta 1
Host species  Mouse
Specificity  Ab27947 recognises alpha9 integrin expressed as a heterodimer in association with the beta1 integrin.

Tested applications  Suitable for: ICC/IF, Flow Cyt, IP, WB
Unsuitable for: IHC-FoFr, IHC-P or IHC-R

Species reactivity  Reacts with: Rat, Guinea pig, Human

Immunogen  Tissue/ cell preparation (Human): alpha9 integrin transfected lambda cells.

General notes  This clone (Y9A2) inhibits adhesion of alpha9 expressing cells to N terminal osteopontin.

Properties

Form  Liquid
Storage buffer  Preservative: 0.09% Sodium Azide.
Constituents: PBS, pH 7.4.
Purity  Protein G purified
Purification notes  Ab27947 was purified by affinity chromatography, from tissue culture supernatant.
Primary antibody notes  This clone (Y9A2) inhibits adhesion of alpha9 expressing cells to N terminal osteopontin.
Clonality  Monoclonal
Clone number  Y9A2
Myeloma  Sp2/0
Isotype  IgG1

Applications
Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. Integrin alpha 9, when bound to the integrin beta 1 chain, forms an integrin that is a receptor for VCAM1, cytotactin and osteopontin. Expression of integrin alpha 9 has been found to be upregulated in small cell lung cancers.

**Cellular localization**
Type I membrane protein.

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