

## Integrin alpha 2 antibody [HMa2] (Biotin)

Cat. No. GTX01474-02

Host	Armenian Hamster
Clonality	Monoclonal
Isotype	IgG
Application	FACS
Reactivity	Mouse

Reference ( 4 )  
Package  
100 µg

## PRODUCT

## Summary

The HMa2 antibody reacts with mouse CD49b, a 150 kDa glycoprotein member of the integrin  $\alpha$ family. CD49b, also known as integrin  $\alpha$ 2, associates non-covalently with CD29 (integrin  $\beta$ 1) to form the VLA-2 heterodimer. VLA-2 integrin  $\alpha$  function as cellular receptors for collagen and laminin. CD49b is expressed by platelets, intestinal epithelial cells, NK cells, epithelial cells, and a subset of CD4+ T cells. CD49b plays an essential role in mediating the adhesion of cells to the extracellular matrix.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FACS	Assay dependent

Not tested in other applications.

Calculated MW 129 kDa. ( [Note](#) )

## PROPERTIES

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Biotin

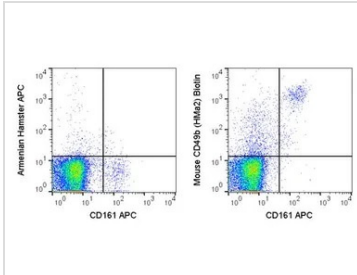


For full product information, images and publications, please visit our [website](#).

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx01474-02 FACS Image**

FACS analysis of mouse C57Bl/6 splenocytes using GTx01474-02 Integrin alpha 2 antibody [HMa2] (Biotin).

Right panel : co-stained with Integrin alpha 2 antibody [HMa2] (Biotin) and Mouse NK1.1 antibody (APC)

Left panel : co-stained with isotype control and Mouse NK1.1 antibody (APC)

antibody amount : 0.03 µg (5 µl)



For full product information, images and publications, please visit our [website](#).