

## DATASHEET

# CD49d Rat Monoclonal Antibody(PS/2)

CAT. NO. AMA03846

### KEY FEATURES

Target	CD49d	Source / Host	Rat
Reactivity	Mouse	Clonality	Monoclonal
Applications	IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Rat IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.	Storage	at-20°C

### BACKGROUND

The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 4 subunit. This subunit associates with a beta 1 or beta 7 subunit to form an integrin that may play a role in cell motility and migration. This integrin is a therapeutic target for the treatment of multiple sclerosis, Crohn's disease and inflammatory bowel disease. Alternative splicing results in multiple transcript variants.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

### PRODUCT OVERVIEW

Description	Rat monoclonal antibody to CD49d
Specificity	Recognizes mouse CD49d
Antibody Type	Primary antibody
Immunogen	AKR/Cum mouse spontaneous T lymphoma line TK1
Purification	The antibody was purified by affinity chromatography.
Form/Buffer	Rat IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Alternative Names	CD49D; Integrin alpha-4; CD49 antigen-like family member D; Integrin alpha-IV; VLA-4 subunit alpha; CD49d
Gene Symbol	ITGA4
Entrez Gene	16401(Mouse)
SwissProt	Q00651(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**| DATA**

**| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**| NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.