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# Datasheet for ABIN739530 anti-CD47 antibody (AA 241-323)

4 Images

1 Publication



### Overview

Quantity:	100 µL
Target:	CD47
Binding Specificity:	AA 241-323
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD47 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD47/MER6
lsotype:	lgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	CD47

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Target Details	
Alternative Name:	CD47/MER6 (CD47 Products)
Background:	Synonyms: IAP, OA3, MER6, Leukocyte surface antigen CD47, Antigenic surface determinant protein OA3, Integrin-associated protein, Protein MER6, CD47 Background: Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus (By similarity). Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen- dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.
Gene ID:	961
UniProt:	Q08722

## Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

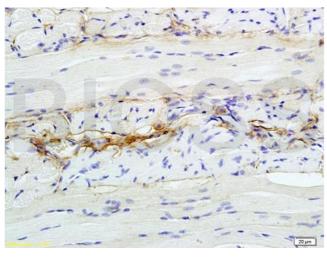
## Handling

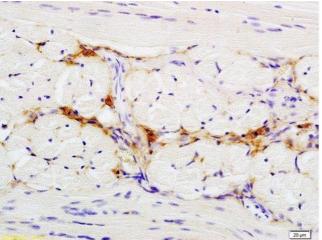
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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Handling	
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Miedel, Dishowitz, Myers, Dopkin, Yu, Miclau, Marcucio, Ahn, Hankenson: "Disruption of
	thrombospondin-2 accelerates ischemic fracture healing." in: Journal of orthopaedic research :
	official publication of the Orthopaedic Research Society, Vol. 31, Issue 6, pp. 935-43, (2013) (
	PubMed).

Images





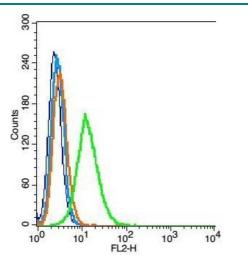
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat tongue tissue labeled with Anti-CD47 MER6 Polyclonal Antibody, unconjugated (ABIN739530) at 1: 200 followed by incubation with conjugated secondary antibody

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded rat tongue tissue labeled with Anti-CD47/MER6 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody

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#### **Flow Cytometry**

**Image 3.** RSC96 cells probed with CD47/MER6 Polyclonal Antibody, Unconjugated at 1:100 for 30 minutes followed by incubation with a PE conjugated secondary (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).

Please check the product details page for more images. Overall 4 images are available for ABIN739530.