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# anti-CD68 antibody (AA 21-120)

**Images** 

**Publications** 



#### Overview

Quantity:	100 μL
Target:	CD68
Binding Specificity:	AA 21-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC)

# **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from mouse CD68
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	

Target:	CD68
Alternative Name:	CD68 (CD68 Products)

# **Target Details**

Background:	Synonyms: Lamp4, gp11, Scard1, Macrosialin, CD68
	Background: Could play a role in phagocytic activities of tissue macrophages, both in
	intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions.
	Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage
	subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the
	plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other
	cells.
Gene ID:	12514
UniProt:	P31996

# **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
	ICC 1:100-500
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 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:

Guo, Jin, Jin, Chen, Lei, Wang: "Radical polymerization-crosslinking method for improving extracellular matrix stability in bioprosthetic heart valves with reduced potential for calcification and inflammatory response." in: **Acta biomaterialia**, Vol. 82, pp. 44-55, (2019) (PubMed).

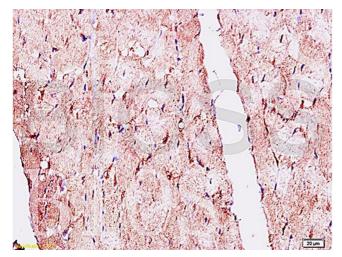
Zhao, Yin, Fang, Xu, Sun, Xu, Liu, Peng: "Protective effects of dioscin against systemic inflammatory response syndromevia adjusting TLR2/MyD88/NF-kb signal pathway." in: **International immunopharmacology**, Vol. 65, pp. 458-469, (2019) (PubMed).

Nishizawa, Iguchi, Fukuoka, Takahashi, Suda, Bando, Matsumoto, Yoshida, Odake, Ogawa, Takahashi: "IGF-I induces senescence of hepatic stellate cells and limits fibrosis in a p53-dependent manner." in: **Scientific reports**, Vol. 6, pp. 34605, (2018) (PubMed).

Ganguly, Sahu, Ohanyan, Haney, Chavez, Shah, Yalamanchili, Raman: "Oral chromium picolinate impedes hyperglycemia-induced atherosclerosis and inhibits proatherogenic protein TSP-1 expression in STZ-induced type 1 diabetic ApoE(-/-) mice." in: **Scientific reports**, Vol. 7, pp. 45279, (2017) (PubMed).

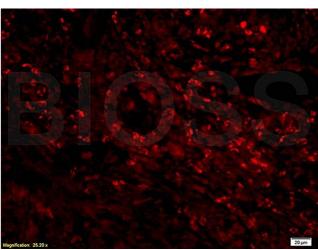
Kugo, Zaima, Onozato, Miyamoto, Hashimoto, Yanagimoto, Moriyama: "Suppressive effects of dietary EPA-rich fish oil on the degradation of elastin fibers in the aortic wall in nicotine-administered mice." in: **Food & function**, Vol. 8, Issue 8, pp. 2829-2835, (2017) (PubMed).

There are more publications referencing this product on: Product page



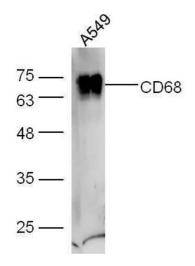
### **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded rat myocardium tissue labeled Anti-CD68 Polyclonal Antibody, unconjugated (ABIN671406) at 1: 200, followed by incubation with conjugated secondary antibody and DAB staining



#### **Immunofluorescence**

**Image 2.** Formalin-fixed and rat colitis tissue labeled with Anti-CD68 Polyclonal Antibody, Unconjugated (ABIN671406) at 1:200 followed by conjugation to the secondary antibody, Goat Anti-Rabbit IgG, Cy5 conjugated,



# **Western Blotting**

**Image 3.** A549 cell lysates probed with Anti-CD68 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.

Please check the product details page for more images. Overall 4 images are available for ABIN671406.