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anti-CD68 antibody (AA 42-155)

8 Images



Publication



Go to Product page

Overview

Quantity:	0.1 mg
Target:	CD68
Binding Specificity:	AA 42-155
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human CD68 (AA: 42-155) expressed in E. coli.
Clone:	3F7D3
Isotype:	lgG1
Purification:	purified

Target Details

Target:	CD68
Alternative Name:	CD68 (CD68 Products)
Background:	Description: This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-
	associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes

and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms. , , , , ,

Aliases: GP110, LAMP4, SCARD1

Molecular Weight:	37.4 kDa
Gene ID:	968
HGNC:	968

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

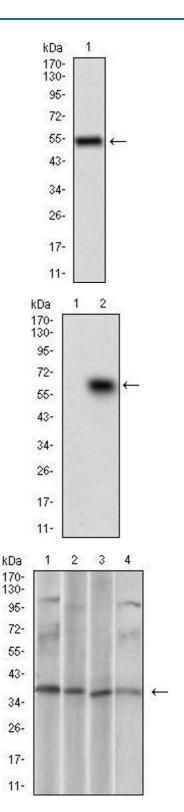
Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

Product cited in:

Bi, Niu, Ding, Zhang, Yang, Gu: "Angiopoietin-1 attenuates angiotensin II-induced ER stress in glomerular endothelial cells via a Tie2 receptor/ERK1/2-p38 MAPK-dependent mechanism." in: **Molecular and cellular endocrinology**, Vol. 428, pp. 118-32, (2016) (PubMed).



Western Blotting

Image 1. Western blot analysis using CD68 mAb against human CD68 (AA: 42-155) recombinant protein. (Expected MW is 37.4 kDa)

Western Blotting

Image 2. Western blot analysis using CD68 mAb against HEK293 (1) and CD68 (AA: 42-155)-hlgGFc transfected HEK293 (2) cell lysate.

Western Blotting

Image 3. Western blot analysis using CD68 mouse mAb against U937 (1), Hela (2), HepG2 (3), Jurkat (4) cell lysate.

Please check the product details page for more images. Overall 8 images are available for ABIN2682982.