Datasheet for ABIN686467

anti-CD68 antibody (AA 1-130)

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Overview

Quantity:	100 µL
Target:	CD68
Binding Specificity:	AA 1-130
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD68
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Cow
Purification:	Purified by Protein A.

Target Details

Target:	CD68
Alternative Name:	CD68 (CD68 Products)
Background:	Synonyms: GP110, LAMP4, SCARD1, Macrosialin, CD68

Target Details

	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:	968
UniProt:	P34810

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	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

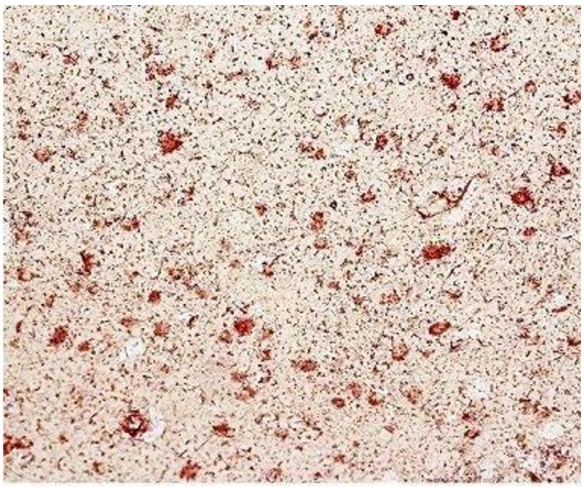
Publications

Product cited in:

Silva, Hope-Lucas, White, Hairston, Rameau, Brown: "Cortical neurons are a prominent source of the proinflammatory cytokine osteopontin in HIV-associated neurocognitive disorders." in: **Journal of neurovirology**, Vol. 21, Issue 2, pp. 174-85, (2015) (PubMed).

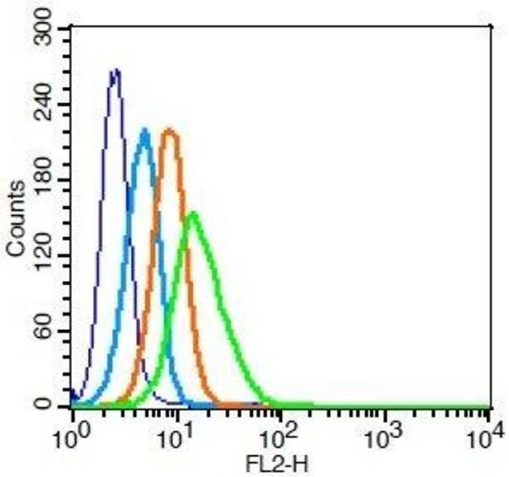
Hu, Shi, Jiang, Han, Huang, Jiang: "Lactoferrin conjugated PEG-PLGA nanoparticles for brain delivery: preparation, characterization and efficacy in Parkinson's disease." in: **International journal of pharmaceutics**, Vol. 415, Issue 1-2, pp. 273-83, (2011) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. This image was generously provided by Amanda Brown, Ph.D. from Johns Hopkins University School of Medicine. Paraffin embedded human brain tissue labeled with Rabbit Anti-CD68 Polyclonal Antibody, Unconjugated at 1:50 followed by conjugation to the secondary antibody and Permanent Fast Red Quanto staining



Flow Cytometry

Image 2. Human U937 cells probed with CD68 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).