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Datasheet for ABIN7449045

Recombinant anti-CD68 antibody

Overview

Quantity:	100 µL
Target:	CD68
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Multiplex Immunofluorescence (mIF)

Product Details

Purpose:	Mouse anti-CD68 Recombinant Monoclonal Antibody, Purified [KP-1]
Immunogen:	Lysosomal fraction of human lung macrophages
Clone:	KP-1
Isotype:	IgG
Purification:	Purified

Target Details

Target:	CD68
Alternative Name:	CD68 (CD68 Products)

Target Details

Background: Background: CD68 is 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. CD68 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 [taken from NCBI Entrez Gene (Gene ID: 968)].

Gene ID: 968

NCBI Accession: [NP_001242](#)

UniProt: [P34810](#)

Application Details

Application Notes: IHC-IF: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
IHC: 1:100 - 1:500. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: Phosphate Buffered Saline (PBS) pH 8.2 with 0.1 % BSA and 0.09 % 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

Expiry Date: 12 months