Data Sheet (Cat.No.TMAB-00382)

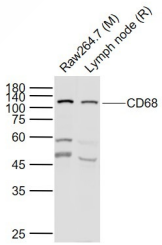
Anti-CD68 Polyclonal Antibody 2

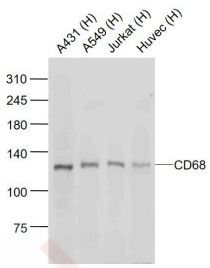
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 37 kDa. Actual: 110 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: Raw264.7 (Mouse) Cell Lysate at 30 μg Lane 2: LympHnode (Rat) Cell Lysate at 30 μg Primary: Anti-CD68 (TMAB-00382) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110/185-200 kDa Observed band size: 110 kDa 2. Sample: Lane 1: A431 (Human) Cell Lysate at 30 μg Lane 2: A549 (Human) Cell Lysate at 30 μg Lane 3: Jurkat (Human) Cell Lysate at 30 μg Lane 4: Huvec (Human) Cell Lysate at 30 μg Primary: Anti-CD68 (TMAB-00382) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110/185-200 kDa Observed band size: 110 kDa





Application:	WB
Recommended	WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD68

Antigen Species: Human

Gene ID: 968

Uniprot ID: P34810

Synonyms: CD68 molecule;GP110;LAMP4;SCARD1

Biology Area: Myeloid Cells,SARS Coronavirus

Research Background

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. [provided by RefSeq, Jul 2008]

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