

## Mouse Monoclonal Antibody to CD68

<b>Catalogue Number</b>	sAP-0911
<b>Target Molecule</b>	<b>Name:</b> CD68 <b>Aliases:</b> GP110; LAMP4; SCARD1 <b>MW:</b> 37.4kDa <b>Entrez Gene ID:</b> 968
<b>Description</b>	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. ; ; ; ;
<b>Immunogen</b>	Purified recombinant fragment of human CD68 (AA: 42-155) expressed in E. Coli.
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM3F7D3;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Rom J Morphol Embryol. 2012;53(1):61-6. ; 2. Anticancer Res. 2009 Aug;29(8):3269-79. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**