

30-1130: Anti-CD47 / Integrin Associated Protein Monoclonal Antibody (Clone:MEM-122)

Clonality :	Monoclonal
Clone Name :	MEM-122
Application :	FACS
Reactivity :	Non-Human Primates
Gene :	CD47
Gene ID :	961
Uniprot ID :	Q08722
Format :	Purified
Alternative Name :	CD47,MER6
Isotype :	Mouse IgM
Immunogen Information :	COS-7 (African green monkey) cells

Description

CD47 (integrin-associated protein, IAP) is an ubiquitously expressed cell surface transmembrane glycoprotein interacting with several integrins and regulating their functions. Engagement of CD47 by soluble ligands or counter receptors modulates various signaling pathways, such as activation of heterotrimeric G proteins. Binding secreted thrombospondin-1, CD47 counteracts graft vascularization. CD47 acts also as a ligand for CD172a (signal regulatory protein alpha, SIRP alpha), an immune inhibitory receptor on macrophages; this interaction prevents phagocytosis of CD47-positive cells. Moreover, CD47-CD172a system affects cell migration, B cell adhesion and T cell activation. CD47 is also involved in modulation of chondrocyte responses to mechanical signals, and promotes neuronal development, being especially abundant in synapse-rich regions of brain and retina.

Product Info

Amount :	0.1 mg
Purification :	Purified by precipitation and chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.
Western blotting: Non-reducing conditions.