

30-1953: Anti-CD47 / Integrin Associated Protein Monoclonal Antibody (Clone:MEM-122)-FITC Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-122
Application :	FACS, WB, IHC-Fr
Reactivity :	Non-Human Primates, Human, Pig
Conjugate :	FITC
Gene :	CD47
Gene ID :	961
Uniprot ID :	Q08722
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 :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

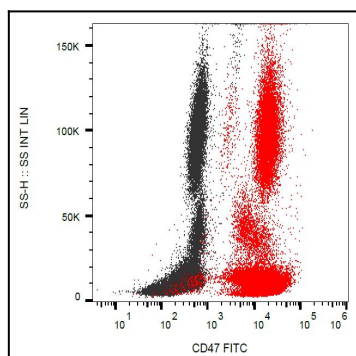


Figure 1: Surface staining of human peripheral blood with anti-CD47 (MEM-122) FITC.