

CD47 monoclonal antibody, clone MEM-122 (FITC)

Catalog # MAB4634

Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD47.
Immunogen	Native purified CD47 from African green monkey COS-7 cells.
Host	Mouse
Theoretical MW (kDa)	50-55
Reactivity	African green monkey, Human, Monkey, Non-Human Primates, Pig
Specificity	This antibody reacts with CD47 (Integrin Associated Protein), a 50-55 KDa membrane adhesion molecule (thrombospondin receptor; immunoglobulin supergene family) expressed on leukocytes, platelets and erythrocytes. It is also expressed on epithelial cells, endothelial cells, fibroblasts and many tumor cell lines.
Form	Liquid
Conjugation	FITC
Isotype	IgM
Recommend Usage	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Publication Reference

- [CD47 associates with alpha 5 integrin and regulates responses of human articular chondrocytes to mechanical stimulation in an in vitro model.](#)

Orazizadeh M, Lee HS, Groenendijk B, Sadler SJ, Wright MO, Lindberg FP, Salter DM.

Arthritis Research & Therapy 2008 Jan; 10(1):R4.

Application: Func, IHC, WB, Human, Human articular cartilage, normal and osteoarthritic chondrocytes

- [Blockade of thrombospondin-1-CD47 interactions prevents necrosis of full thickness skin grafts.](#)

Isenberg JS, Pappan LK, Romeo MJ, Abu-Asab M, Tsokos M, Wink DA, Frazier WA, Roberts DD.

Annals of Surgery 2008 Jan; 247(1):180.

Application: WB-Ce, Human, HUVECs

- [Role for CD47-SIRPalpha signaling in xenograft rejection by macrophages.](#)

Ide K, Wang H, Tahara H, Liu J, Wang X, Asahara T, Sykes M, Yang YG, Ohdan H.

PNAS 2007 Mar; 104(12):5062.