

CD47 monoclonal antibody, clone BRIC126

Catalog # MAB5279

Size 200 ug

Specification

Product Description	Mouse monoclonal antibody raised against native purified CD47.
Immunogen	Native purified CD47 from human erythrocytes.
Host	Mouse
Reactivity	Bovine, Dog, Human, Pig
Specificity	This antibody recognizes the human CD47 cell surface glycoprotein, a heavily N-glycosylated 47-52k D molecule. CD47 is expressed on all cells and tissues so far examined, although expression is reduced on erythrocytes of the rare Rh null phenotype.
Form	Liquid
Isotype	IgG2b
Recommend Usage	Flow Cytometry (10 ul of the suggested working dilution to label 10^6 cells in 100 ul) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycerine, pH 7.8 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

Gene Info — CD47

Entrez GeneID [961](#)**Gene Name** CD47**Gene Alias** IAP, MER6, OA3**Gene Description** CD47 molecule**Omim ID** [601028](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Four alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations CD47 antigen|CD47 antigen (Rh-related antigen, integrin-associated signal transducer)|CD47 glycoprotein|Rh-related antigen|antigen identified by monoclonal antibody 1D8|antigenic surface determinant protein OA3|integrin associated protein|integrin-associated

Pathway

- [ECM-receptor interaction](#)