

CD47 monoclonal antibody, clone B6H12.2

Catalog # MAB11342 Size 100 ug

Specification

Product Description Mouse monoclonal antibody raised against full length CD47.

Immunogen Intact CD47 purified from human placenta.

Host Mouse

Reactivity Human

Form Liquid

Purification Protein A/G affinity chromatography

Isotype IgG1, kappa

Recommend Usage
Flow Cytometry (0.5-1 ug/million cells)
Immunofluorescence (1-2 ug/mL)
Immunohistochemistry (Frozen sections) (0.5-1 ug/mL for 30 min at RT)
Immunoprecipitation (1-2 ug/500 ug protein)
Western Blot (0.25-0.5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (0.05% BSA, 0.05% sodium azide)

Storage Instruction Store at 4°C.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Immunofluorescence

- 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 protein

Pathway

- [ECM-receptor interaction](#)