Anti-Mouse CD47 FITC  
Catalog Number: 11-0471  
Also known as: Integrin associated protein, IAP  

Staining of BALB/c splenocytes with 0.5 ug of Rat IgG2a K Isotype Control FITC (cat. 11-4321) (blue histogram) or 0.5 ug of Anti-Mouse CD47 FITC (purple histogram). Total viable cells were used for analysis.

Product Information  
Contents: Anti-Mouse CD47 FITC  
Catalog Number: 11-0471  
Clone: miap301  
Concentration: 0.5 mg/mL  
Host/Isotype: Rat IgG2a, kappa  
Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.  
Batch Code: Refer to vial  
Use By: Refer to vial  
Contains sodium azide

Description  
The monoclonal antibody miap301 reacts to CD47 also known as integrin-associated protein (IAP), and neuropilin. CD47 is a glycosylated five transmembrane protein with a small cytoplasmic domain. CD47 is involved in adhesion through interactions with SIRP (signal regulator protein) and is non-covalently associated with β3 integrins CD51/CD61, CD41/CD61. It is also known to be the receptor for thrombospondin. T cell expression of CD47 can mediate activation or apoptosis (in the presence of high levels of thrombospondin). Expression is found in the majority of hematopoietic cells including T and B cells, monocytes, platelets and erythrocytes (as part of the Rh complex). Expression is also found in non-hematopoietic cells.

No crossreactivity is seen against human CD47.

Applications Reported  
This miap301 antibody has been reported for use in flow cytometric analysis.

Applications Tested  
This miap301 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 μg per test. A test is defined as the amount (μg) of antibody that will stain a cell sample in a final volume of 100 μL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References  


Jiang P, Lagenaur CF, Narayanan V. Integrin-associated protein is a ligand for the P84 neural adhesion molecule. J
**Anti-Mouse CD47 FITC**

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**RUO: For Research Use Only. Not for use in diagnostic procedures.**


**Related Products**  
11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)