

## 12-9039: Anti-CD47 antibody(DM49), Rabbit mAb(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM49
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	CD47, MER6, IAP, OA3
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant human CD47 (Gln19-Glu141,Val198-Ala207,Ser257-Gly268) produced by using human HEK293 cells

### Description

Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA Not Sterile
<b>Storage condition :</b>	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

Recommended Dilutions FACS 1/100

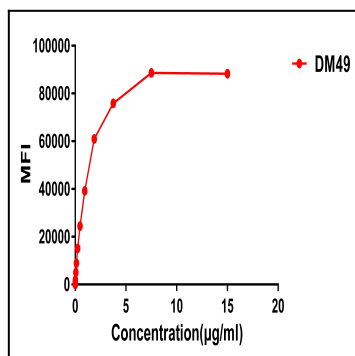


Figure 1. FACS data of serially titrated Rabbit anti-CD47 monoclonal antibody (clone: DM49) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

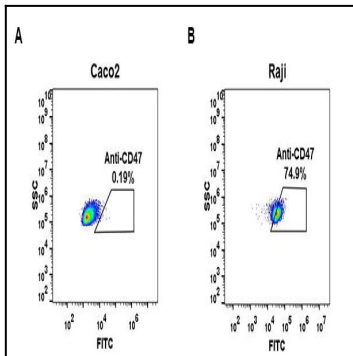


Figure 2. Caco 2 cells (A) and Raji cells (B) were surface stained with Rabbit anti-CD47 monoclonal antibody 15µg/ml (clone: DM49) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.