

## Purified Anti-Human CD47 Antibody[B6H12]

catalog number: E-AB-F14130P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

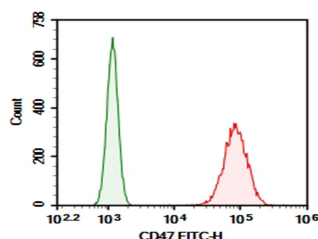
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human CD47 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone</b>	B6H12
<b>Purification</b>	>98%, Protein A/G purified
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

<b>FCM</b>	2 $\mu\text{g/mL}$ ( $1 \times 10^5$ - $5 \times 10^5$ cells)
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### Data



Jurkat were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD47 Antibody[B6H12] (Right) and 0.2  $\mu\text{g}$  Mouse IgG21,  $\kappa$  Isotype Control (Left), followed by FITC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

CD47 (also integrin-associated protein/IAP and OA3) is a variably glycosylated, 40-60 kDa atypical member of the Ig-Superfamily. It is expressed on almost all cell types, including erythrocytes. CD47 binds to TSP-1 and SIRP alpha, and forms a membrane complex with CD36 and  $\alpha$  v beta 3. Mature human CD47 is a 305 amino acid (aa), five-transmembrane glycoprotein.