

## Product datasheet for **TA420127**

### CD47 Mouse Monoclonal Antibody [Clone ID: 1/1A4]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	1/1A4
<b>Applications:</b>	FC, IHC, IP
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human erythrocytes.
<b>Specificity:</b>	CD47
<b>Formulation:</b>	Phosphate buffered saline containing 0.09% Sodium Azide (NaN <sub>3</sub> ) <b>Label:</b> ALEXA FLUOR <sup>®</sup> 488, ALEXA FLUOR <sup>®</sup> 647, FITC, Low Endotoxin, Purified, RPE <b>State:</b> Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	+4°C, -20°C if preferred
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD47 molecule
<b>Database Link:</b>	<a href="#">Q08722</a>



**Background:**

Mouse anti Human CD47 antibody, clone 1/1A4 recognizes human CD47, also known as integrin-associated protein, a 50kDa glycoprotein expressed on all haematopoietic cell lines, epithelial cells, endothelial cells, fibroblasts and many tumour cell lines. CD47 is involved in several cellular processes including regulation of T cell and dendritic cell activation, regulation of neutrophil (PMN) chemotaxis, caspase-independent apoptosis, and may act as a signal transducer in the regulation of cation fluxes across cell membranes. CD47 has been identified as a ligand for the inhibitory macrophage receptor known as signal regulatory protein alpha (SIRPalpha) and as a receptor for thrombospondin-1. Cross-linking of CD47 with clone 1/1A4 co-stimulates the proliferation of T cells (Waclavicek et al. 1993).

**Synonyms:**

SIRP LIGAND