

## Product datasheet for **TA813982**

### CD47 Mouse Monoclonal Antibody [Clone ID: OTI5C9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5C9
Applications:	IHC
Recommended Dilution:	IHC 1:75
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human CD47 (NP_001768). The exact sequence is proprietary.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.21 kDa
Gene Name:	CD47 molecule
Database Link:	<a href="#">NP_001768</a> <a href="#">Entrez Gene 961 Human</a> <a href="#">Q08722</a>
Background:	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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]



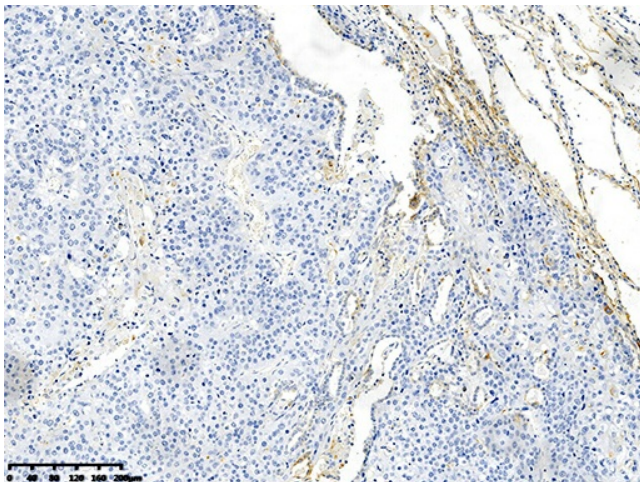
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**Synonyms:** IAP; MER6; OA3

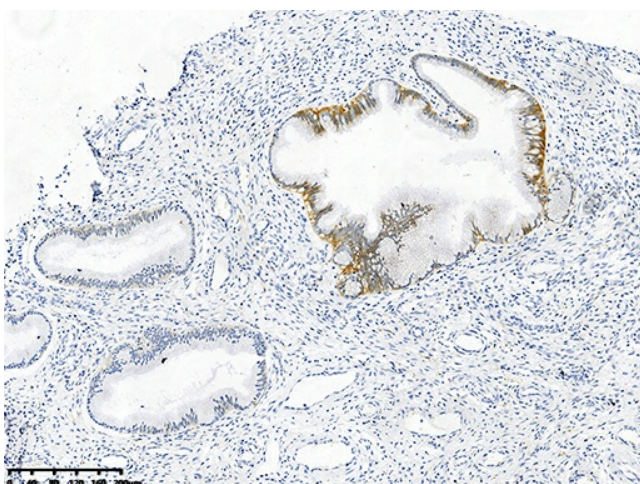
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** ECM-receptor interaction

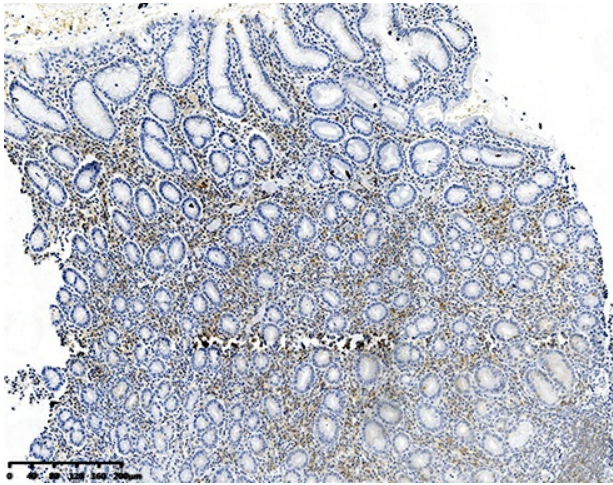
### Product images:



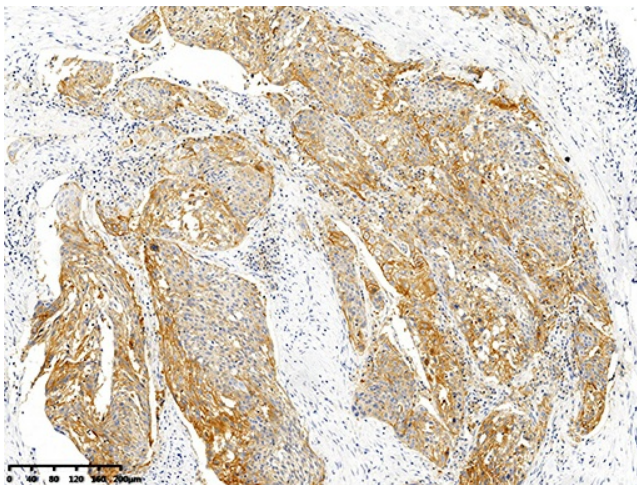
Immunohistochemical staining of paraffin-embedded carcinoma of Human Lung tissue using anti-CD47 mouse monoclonal antibody (TA813982). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



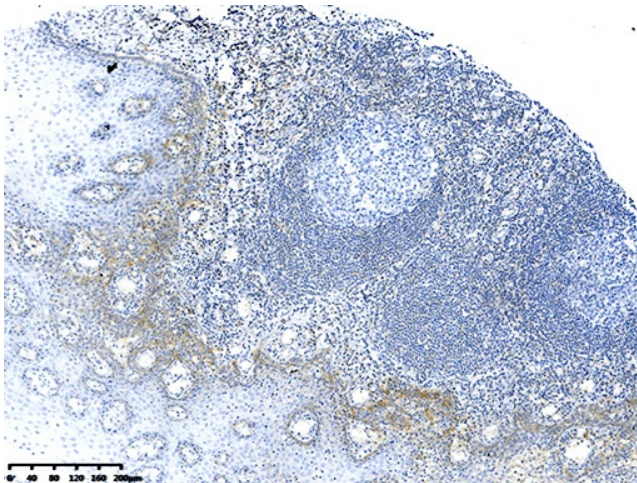
Immunohistochemical staining of paraffin-embedded Human Endometrium tissue within the normal limits using anti-CD47 mouse monoclonal antibody (TA813982). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



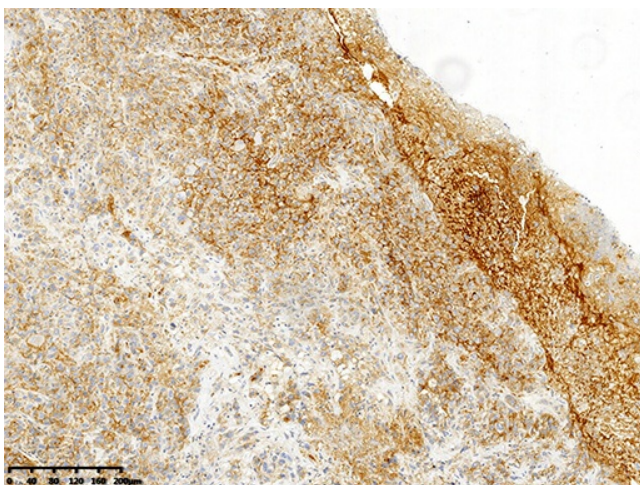
Immunohistochemical staining of paraffin-embedded Human Bladder tissue within the normal limits using anti-CD47 mouse monoclonal antibody (TA813982). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded carcinoma of Human Bladder tissue using anti-CD47 mouse monoclonal antibody (TA813982). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Tonsil within the normal limits using anti-CD47 mouse monoclonal antibody (TA813982). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Melanoma tissue using anti-CD47 mouse monoclonal antibody (TA813982). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.