

Product datasheet for **CF813982**

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:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	NP_001768 Entrez Gene 961 Human Q08722



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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]

Synonyms:

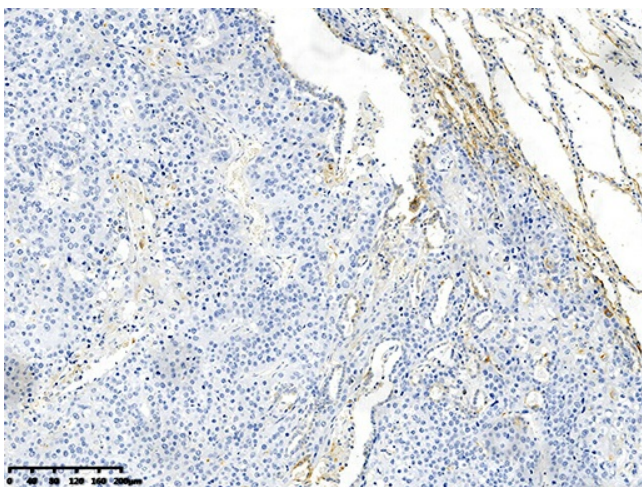
IAP; MER6; OA3

Protein Families:

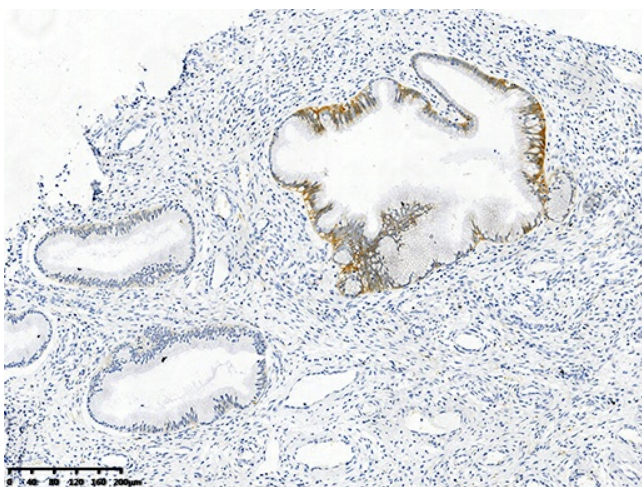
Druggable Genome, Transmembrane

Protein Pathways:

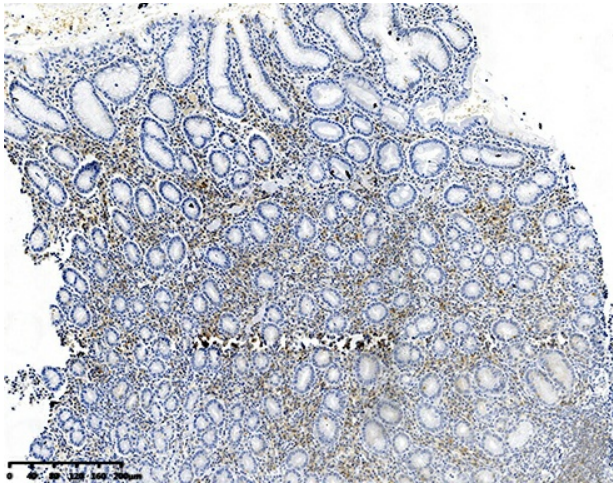
ECM-receptor interaction

Product images:

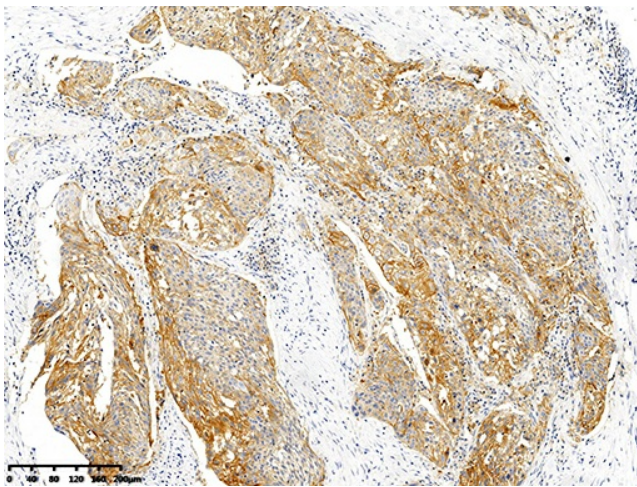
Immunohistochemical staining of paraffin-embedded carcinoma of Human Lung tissue using anti-CD47 mouse monoclonal antibody ([TA813982]). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



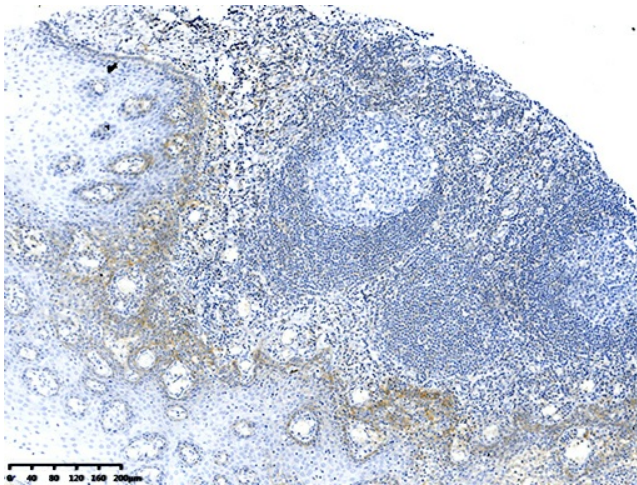
Immunohistochemical staining of paraffin-embedded Human Endometrium tissue within the normal limits using anti-CD47 mouse monoclonal antibody ([TA813982]). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



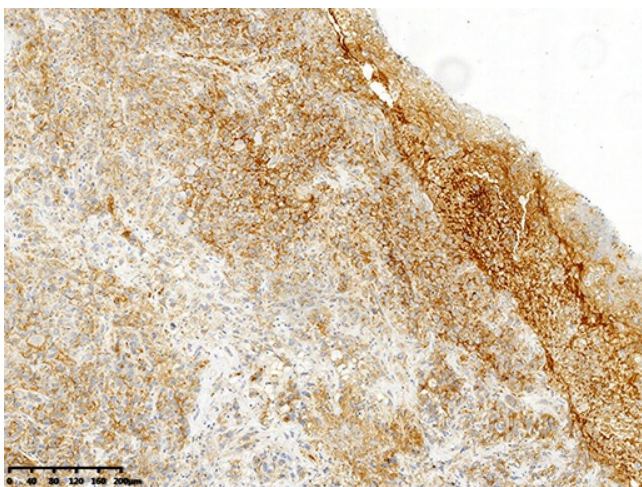
Immunohistochemical staining of paraffin-embedded Human Bladder tissue within the normal limits using anti-CD47 mouse monoclonal antibody ([TA813982]). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min.



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.