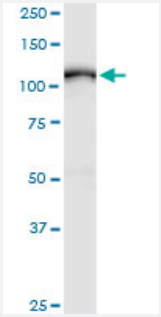
ADAM17 monoclonal antibody (M01), clone 1F6

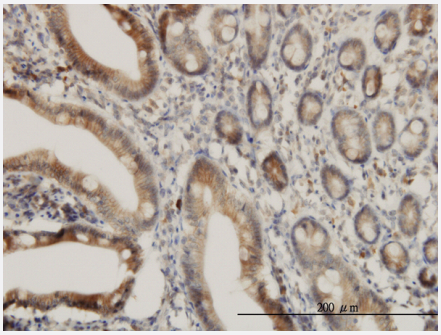
Catalog # H00006868-M01 Size 100 ug

Applications



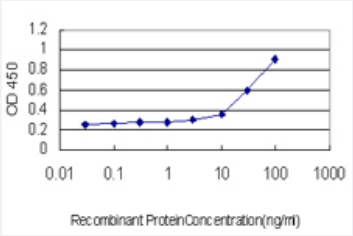
Western Blot (Tissue lysate)

ADAM17 monoclonal antibody (M01), clone 1F6. Western Blot analysis of ADAM17 expression in human spleen.



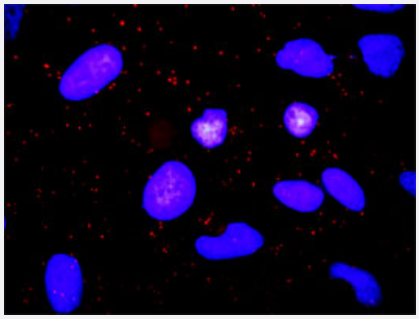
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ADAM17 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



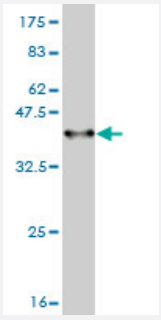
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADAM17 is approximately 3ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between TGFA and ADAM17. HeLa cells were stained with anti-TGFA rabbit purified polyclonal 1:1200 and anti-ADAM17 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ADAM17.
Immunogen	ADAM17 (NP_003174, 215 a.a. ~ 314 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RADPDPMKNTCKLLVVADHRFYRYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNAGFKGYGIQIEQIRILKSPQEVKPGEKHYNMAKSYPNEEKDAWDV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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  Protocol Download

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  Protocol Download

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- ELISA

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Gene Info — ADAM17

Entrez GeneID	6868
GeneBank Accession#	NM_003183
Protein Accession#	NP_003174
Gene Name	ADAM17
Gene Alias	CD156b, MGC71942, TACE, cSVP
Gene Description	ADAM metallopeptidase domain 17

Omim ID	603639
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. M embers of this family are membrane-anchored proteins structurally related to snake venom disinte grins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matri x interactions, including fertilization, muscle development, and neurogenesis. The protein encode d by this gene functions as a tumor necrosis factor-alpha converting enzyme; binds mitotic arrest deficient 2 protein; and also plays a prominent role in the activation of the Notch signaling pathwa y. [provided by RefSeq
Other Designations	TNF-alpha converting enzyme|a disintegrin and metalloproteinase domain 17 (tumor necrosis fact or, alpha, converting enzyme)|snake venom-like protease|tumor necrosis factor, alpha, converting enzyme

Publication Reference

- Increased expression of ALCAM/CD166 in pancreatic cancer is an independent prognostic marker for poor survival and early tumour relapse.

  Kahlert C, Weber H, Mogler C, Bergmann F, Schirmacher P, Kenngott HG, Matterne U, Mollberg N, Rahbari NN, Hinz U, Koch M, Aigner M, Weitz J.

  British Journal of Cancer 2009 Aug; 101(3):457.

  Application: IHC-P, Human, Human pancreatic cancer

Pathway

- Epithelial cell signaling in Helicobacter pylori infection
- Notch signaling pathway

Disease

- Alzheimer Disease
- Arthritis
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases

- Chronic Disease
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Crohn Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lymphoma
- Myocardial Infarction
- Peripheral Vascular Diseases
- Tobacco Use Disorder
- Tooth Abnormalities