

## Anti-ADAM15 Antibody (5X82)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5X82
Purification:	Protein A

## Applications

Verified Activity:	<ol style="list-style-type: none"><li>1. Profile of anti-ADAM15 reactivity on MCF-7 cells analyzed by flow cytometry.</li><li>2. Immunohistochemical staining of formalin fixed, paraffin-embedded human lymphonode showing membrane staining of endothelial cells (red arrow) (1:2000).</li><li>3. Immunohistochemical staining of formalin fixed, paraffin-embedded human heart showing blood vessel staining (red arrow) (1:200).</li><li>4. Immunofluorescence staining of Human ADAM15 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human ADAM15 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm.</li></ol>
Application:	ELISA,ELISA(Det),FCM,ICC/IF,IHC-P
Recommended	ELISA: 1:5000-1:10000; IHC-P: 1:1000-1:4000; ICC-IF: 1:20-1:100; FCM: 1:25-1:100; ELISA(Det): 1:1000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human ADAM15 protein (TMPY-00961)
Antigen Species:	Human
Synonyms:	metargidin;ADAM metalloproteinase domain 15;MDC15

## Research Background

ADAM15, also known as Metargidin, is a type I transmembrane glycoprotein belonging to the ADAM (A Disintegrin and Metalloprotease Domain) family of proteins and is widely expressed in different tissues and cell types. Members of this family contain an amino-terminal metalloprotease domain followed by a disintegrin domain, a cysteine-rich region and a membrane proximal EGF-like domain. The disintegrin domain of ADAM15/metargidin contains an RGD tripeptide sequence, suggesting that it may potentially interact with the integrin family of proteins. ADAM15 is a transmembrane multi-domain proteins implicated in proteolysis, cell-cell and cell-matrix interactions in various disease conditions. There is also evidence supporting a role for ADAM15 in angiogenesis and angiogenesis of tumor cells, which are critical for unrestrained tumor growth and metastatic spread. Given its diverse functions, ADAM15 may represent a pivotal regulatory component of tumor progression, an important target for therapeutic

intervention, or emerge as a biomarker of disease progression.

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