Datasheet for ABIN7193255

anti-CD97 antibody (AA 419-552)

6 Images

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Overview

Quantity:	0.1 mg
Target:	CD97
Binding Specificity:	AA 419-552
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD97 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD97 (AA: extra 419-552) expressed in E. coli.
Clone:	6D7E6
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	CD97
Alternative Name:	CD97 (CD97 Products)
Background:	Description: This gene encodes a member of the EGF-TM7 subfamily of adhesion G protein-

Target Details

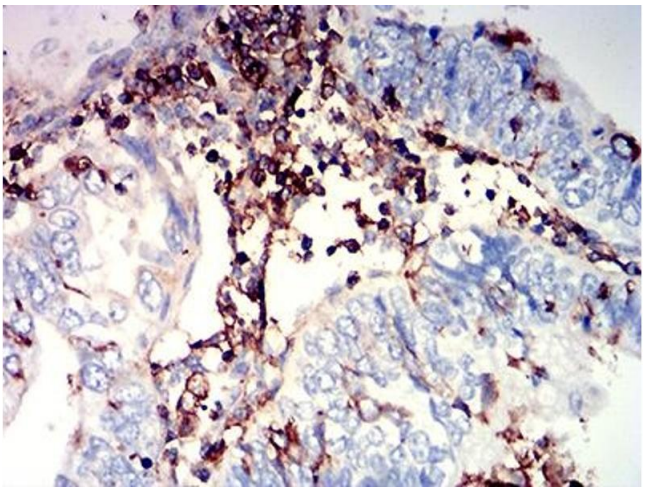
	coupled receptors, which mediate cell-cell interactions. These proteins are cleaved by self-catalytic proteolysis into a large extracellular subunit and seven-span transmembrane subunit, which associate at the cell surface as a receptor complex. The encoded protein may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55. Expression of this gene may play a role in the progression of several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed for this gene. This gene is found in a cluster with other EGF-TM7 genes on the short arm of chromosome 19. Aliases: ADGRE5, TM7LN1
Molecular Weight:	91.8 kDa
Gene ID:	976

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

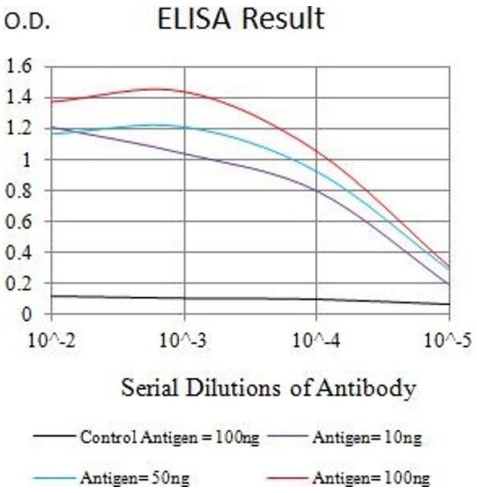
Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



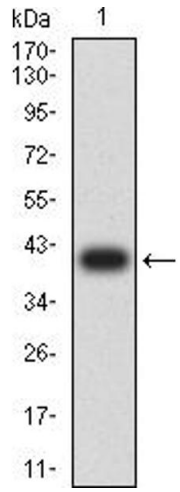
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using CD97 mouse mAb with DAB staining.



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD97 mAb against human CD97 (AA: extra 419-552) recombinant protein. (Expected MW is 40.9 kDa)

Please check the product details page for more images. Overall 6 images are available for ABIN7193255.