Product Name: SP17 Mouse Monoclonal Antibody
Catalog #: AMM82461
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	17.4 kDa

Antigen Information

Gene Name	SP17
Alternative Names	CT22; SPA17; SP17-1
Gene ID	53340.0
SwissProt ID	Q15506
Immunogen	Purified recombinant fragment of human SP17 (AA: 1-152) expressed in E. Coli.

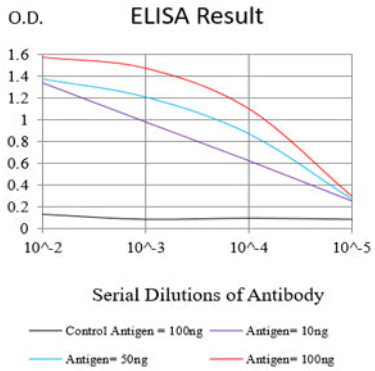
Background

This gene encodes a protein present at the cell surface. The N-terminus has sequence similarity to human cAMP-dependent protein kinase A (PKA) type II alpha regulatory subunit (RIIa) while the C-terminus has an IQ calmodulin-binding motif. The central portion of the protein has carbohydrate binding motifs and likely functions in cell-cell adhesion. The protein was initially

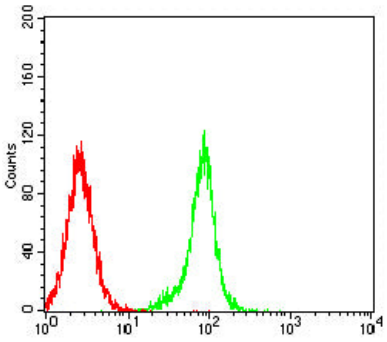
characterized by its involvement in the binding of sperm to the zona pellucida of the oocyte. Recent studies indicate that it is also involved in additional cell-cell adhesion functions such as immune cell migration and metastasis. A retrotransposed pseudogene is present on chromosome 10q22.[provided by RefSeq, Jan 2009]

Research Area

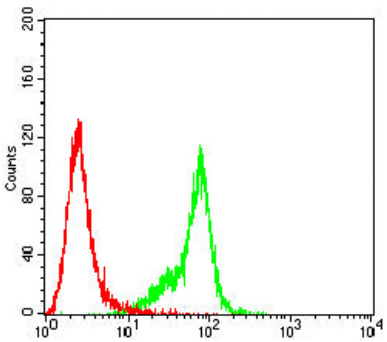
Image Data



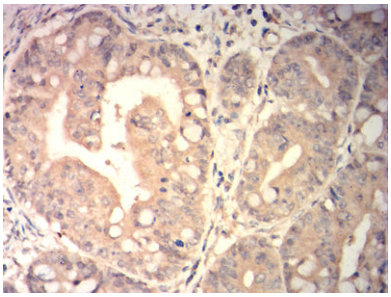
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



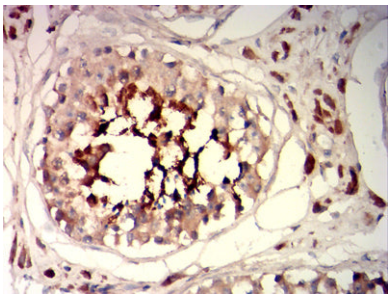
Flow cytometric analysis of SK-OV-3 cells using SP17 mouse mAb (green) and negative control (red).



Flow cytometric analysis of Hela cells using SP17 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissues using SP17 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human testis tissues using SP17 mouse mAb with DAB staining.