BT LAB
Bioassay Technology Laboratory
Optimize Your Research

SP17 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4439
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human SP17 (AA: 1-152) expressed in E. Coli.
Mol wt	17.4 kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CT22;SPA17;SP17-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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]

Recommended Dilution

WB: 1:500 - 1:2000

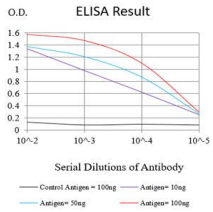
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

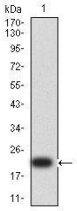
ELISA: 1:10000

Not yet tested in other applications.

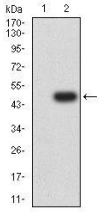
Images



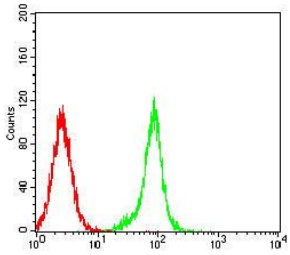
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



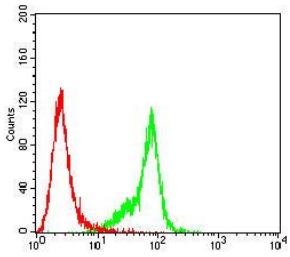
Western blot analysis using SP17 mAb against human SP17 (AA: 1-152) recombinant protein. (Expected MW is 20.3 kDa)



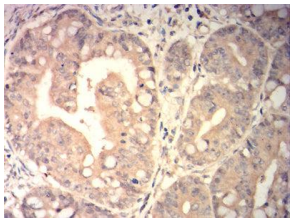
Western blot analysis using SP17 mAb against HEK293-6e (1) and SP17 (AA: 1-152)-hIgGFc transfected HEK293-6e (2) cell lysate.



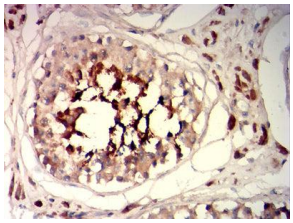
Flow cytometric analysis of SK-OV-3 cells using SP17 mouse mAb (green) and negative control (red).



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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