

TIA1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2012
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human TIA1 (AA: 1-215) expressed in E. Coli.
Mol wt	43kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	WDM;TIA-1

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

Background

The product encoded by this gene is a member of a RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15-kDa protein that is thought to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing. Alternative splicing resulting in different isoforms has been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200-1:1000

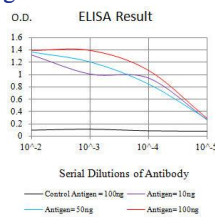
ICC: 1:200 - 1:1000

FCM: 1:200-1:400

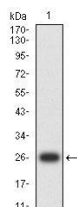
ELISA: 1:10000

Not yet tested in other applications.

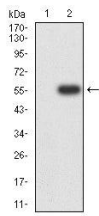
Images



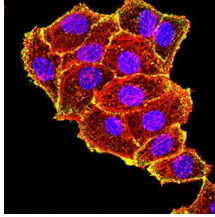
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



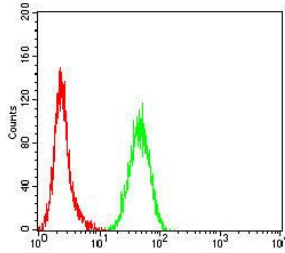
Western blot analysis using TIA1 mAb against human TIA1 (AA: 1-215) recombinant protein. (Expected MW is 26.8 kDa)



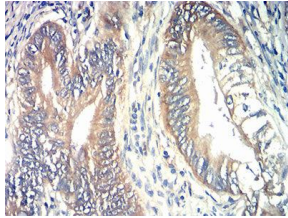
Western blot analysis using TIA1 mAb against HEK293 (1) and TIA1 (AA: 1-215)-hIgGFc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using TIA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using TIA1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using TIA1 mouse mAb with DAB staining.

Storage

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

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