

PDGFA Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2802
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human PDGFA (AA: 87-211) expressed in E. Coli.
Mol wt	24kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	PDGF1;PDGF-A

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

Background

This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants.

Recommended Dilution

WB: 1:500 - 1:2000

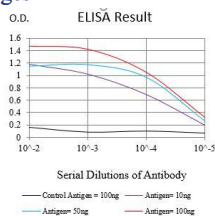
ICC: 1:50 - 1:200

FCM: 1:200 - 1:400

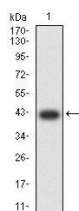
ELISA: 1:10000

Not yet tested in other applications.

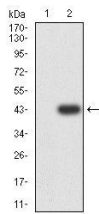
Images



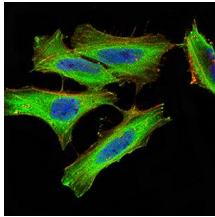
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



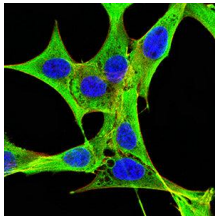
Western blot analysis using PDGFA mAb against human PDGFA (AA: 87-211) recombinant protein. (Expected MW is 40.5 kDa)



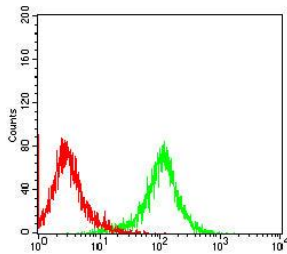
Western blot analysis using PDGFA mAb against HEK293 (1) and PDGFA (AA: 87-211)-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using PDGFA 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)



Immunofluorescence analysis of NIH/3T3 cells using PDGFA 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 Jurkat cells using PDGFA mouse mAb (green) and negative control (red).

Storage

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

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