

Product Datasheet

PDGFR alpha Antibody (16A1) - BSA Free NBP1-44581

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-44581

PDGFR alpha Antibody (16A1) - BSA Free

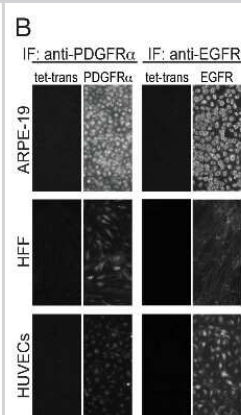
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	16A1
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	170 kDa

Product Description	
Host	Mouse
Gene ID	5156
Gene Symbol	PDGFRA
Species	Human
Specificity/Sensitivity	The mouse monoclonal antibody 16A1 recognizes CD140a / PDGF-RA, the 170 kDa alpha chain of platelet-derived growth factor receptor, which is widely expressed on a variety of mesenchymal-derived cells and plays pro-proliferative or anti-proliferative roles in various tumours.
Immunogen	CD140a-transfected NIH 3T3 cells

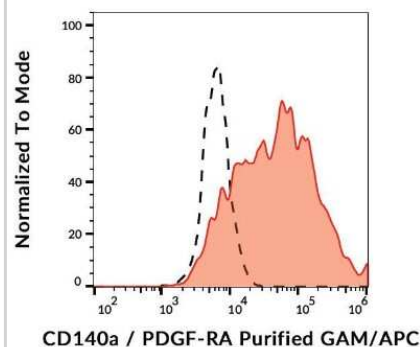
Product Application Details	
Applications	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, In vitro assay, CyTOF-ready
Recommended Dilutions	Flow Cytometry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, In vitro assay, Flow (Cell Surface), CyTOF-ready
Application Notes	This antibody is Cytof ready. Use in In vitro reported in scientific literature (PMID: 23028311).

Images

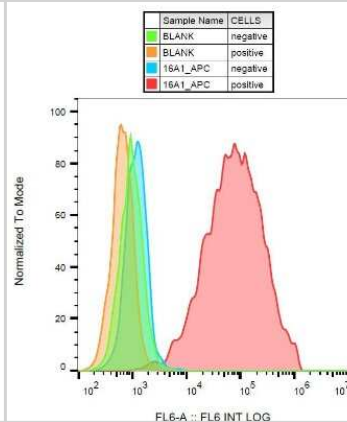
Immunocytochemistry/Immunofluorescence: PDGFR alpha Antibody (16A1) [NBP1-44581] - Characterization of Ad vectors expressing human PDGFRalpha and EGFR. ARPE-19 epithelial, human foreskin fibroblasts (HFF), and human endothelial cells (HUVECs) were transduced with Ad vectors expressing tet-trans, PDGFRalpha, or EGFR as described above, incubated for 24 hr then fixed and stained with the PDGFRalpha-specific antibody AF-307-NA or EGFR-specific antibody LA-1 followed by a FITC-conjugated donkey anti-goat (Molecular Probes) or a Dylight 594-conjugated goat anti-mouse secondary antibody. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.ppat.1002905>), licensed under a CC-BY license.



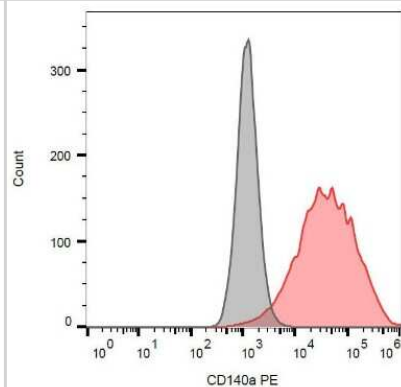
Flow (Cell Surface): PDGFR alpha Antibody (16A1) [NBP1-44581] - Surface staining of CD140a in CD140a-transfected cells using anti-CD140a (16A1) purified / GAM-APC.



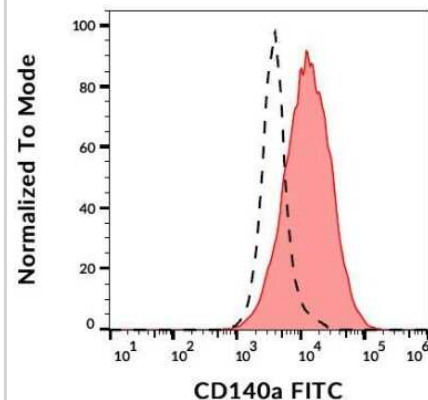
Flow Cytometry: PDGFR alpha Antibody (16A1) [NBP1-44581] - CD140a in CD140a-transfected 3T3 cells using anti-CD140a (16A1) APC.



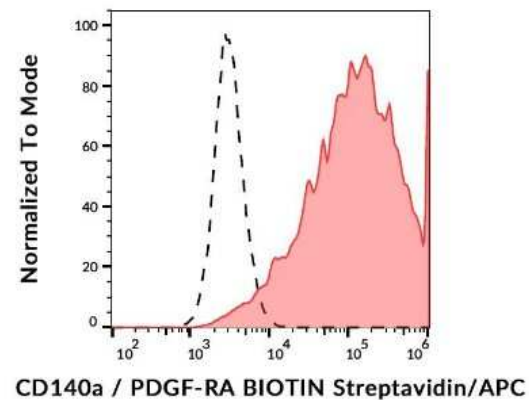
Flow Cytometry: PDGFR alpha Antibody (16A1) [NBP1-44581] - CD140a in CD140a-transfected cells using anti-CD140a (16A1) PE.



Flow (Cell Surface): PDGFR alpha Antibody (16A1) [NBP1-44581] - Surface staining of CD140a in CD140a-transfected cells using anti-CD140a (16A1) FITC.



Flow (Cell Surface): PDGFR alpha Antibody (16A1) [NBP1-44581] - Surface staining of CD140a in CD140a-transfected cells using anti-CD140a (16A1) biotin / streptavidin-APC.



Publications

Vanarsdall AL, Wisner TW, Lei H et al. PDGF Receptor-alpha Does Not Promote HCMV Entry into Epithelial and Endothelial Cells but Increased Quantities Stimulate Entry by an Abnormal Pathway PLoS Pathog 2012-09-01 [PMID: 23028311] (In vitro, Human)



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Products Related to NBP1-44581

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-44581AF488	PDGFR alpha Antibody (16A1) [Alexa Fluor® 488]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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