

DATASHEET

VEGFA Mouse Monoclonal Antibody(C3036)

CAT. NO. AMA02648

KEY FEATURES

Target	VEGFA	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Participates in the induction of key genes involved in the response to hypoxia and in the induction of angiogenesis such as HIF1A . Involved in protecting cells from hypoxia-mediated cell death .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:100 - 1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to VEGFA
Specificity	Recognizes endogenous levels of VEGFA protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human VEGFA expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 27 kD; Observed: 65 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF
Gene Symbol	VEGFA
Entrez Gene	7422(Human)
SwissProt	P15692(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

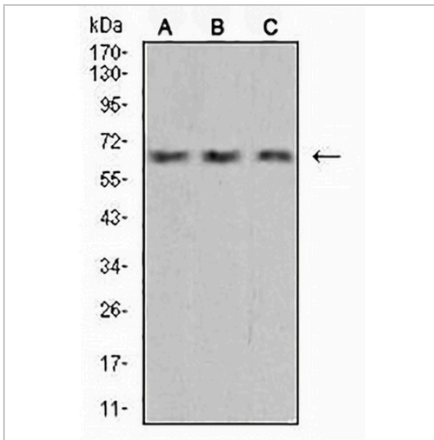
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

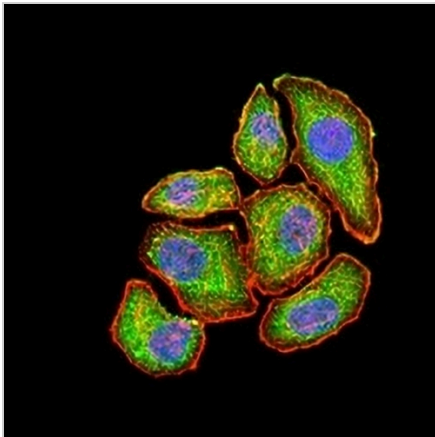
VEGFA Mouse Monoclonal Antibody(C3036)

CAT. NO. AMA02648

DATA



Western blot analysis of VEGFA expression in HeLa (A), HUVEC (B), HEK293 (C) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 65 kD kD)



Immunofluorescent analysis of VEGFA staining in GC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.