Datasheet for ABIN521322

anti-VEGFA antibody (AA 27-130)

4 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	VEGFA
Binding Specificity:	AA 27-130
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VEGFA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant VEGF.
Immunogen:	VEGF (NP_003367, 27 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESNITMQI MRIKPHQGQH IGEMSFLQHN KCEC
Clone:	3F7
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	VEGFA
Alternative Name:	VEGFA (VEGFA Products)
Background:	Full Gene Name: vascular endothelial growth factor A Synonyms: MGC70609,VEGF,VEGF-A,VPF
Gene ID:	7422
NCBI Accession:	NM_003376
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Regulation of Cell Size, Tube Formation, Signaling Events mediated by VEGFR1 and VEGFR2, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals, VEGF Signaling

Application Details

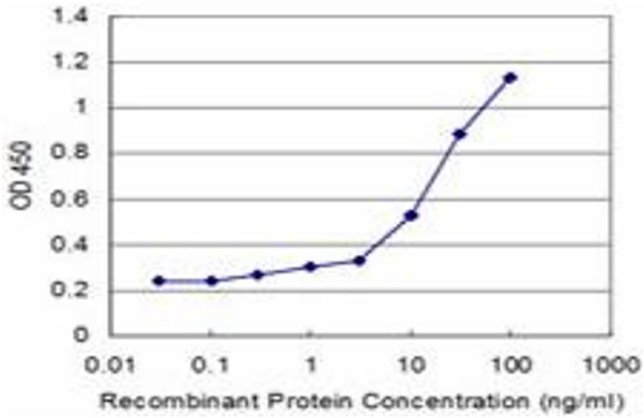
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

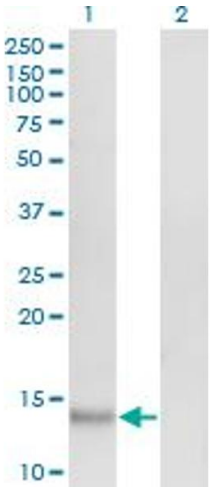
Publications

Product cited in:	Arai, Kawachi, Setiawan, Kobayashi: "Hypoxia-selective growth inhibition of cancer cells by furospinosulin-1, a furanosesterterpene isolated from an Indonesian marine sponge." in: **ChemMedChem**, Vol. 5, Issue 11, pp. 1919-26, (2010) (PubMed).



ELISA

Image 1. Detection limit for recombinant GST tagged VEGF is approximately 0.3ng/ml as a capture antibody.

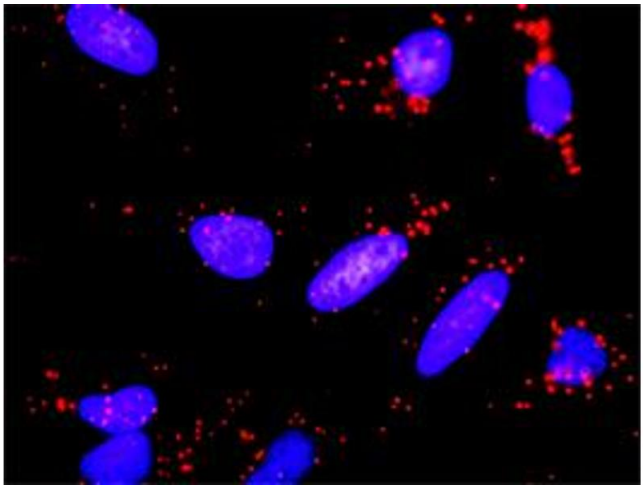


Western Blotting

Image 2. Western Blot analysis of VEGF expression in transfected 293T cell line by VEGF monoclonal antibody (M05), clone 3F7.

Lane 1: VEGF transfected lysate(17.2 KDa).

Lane 2: Non-transfected lysate.



Proximity Ligation Assay

Image 3. Proximity Ligation Analysis of protein-protein interactions between PGF and VEGFA. HeLa cells were stained with anti-PGF rabbit purified polyclonal 1:1200 and anti-VEGFA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN521322.