

Datasheet for ABIN955510  
**anti-VEGFC antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	0.4 mL
Target:	VEGFC
Binding Specificity:	AA 27-57, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFC antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 27-57 amino acids from the N-terminal region of human VEGF3
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Species reactivity (expected):HumanSpecies reactivity (tested):This antibody detects VEGF-C / Flt4-L (N-term).
Purification:	Protein A column followed by peptide affinity purification

## Target Details

Target:	VEGFC
Alternative Name:	VEGF-C / Flt4-L ( <a href="#">VEGFC Products</a> )

## Target Details

**Background:** The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-3 receptors. Only the fully processed form can bind and activate VEGFR-2 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor D. [provided by RefSeq]. Synonyms: Flt4 ligand, VEGFC, VRP, Vascular endothelial growth factor C, Vascular endothelial growth factor-related protein

**Gene ID:** 7424

**NCBI Accession:** [NP\\_005420](#)

**Pathways:** [RTK Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS with 0.09 % (W/V) sodium azide

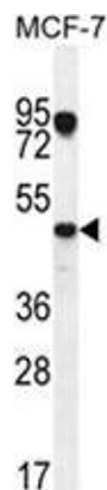
**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

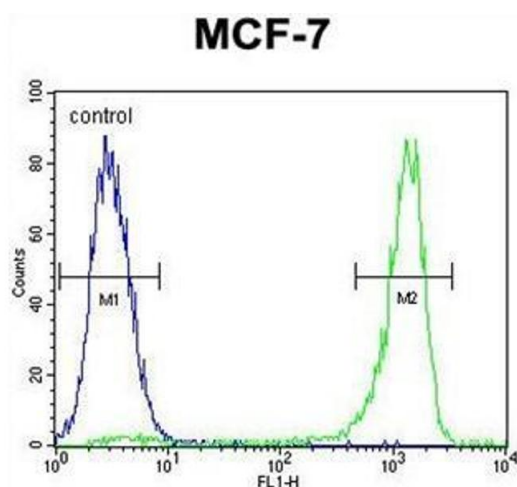
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



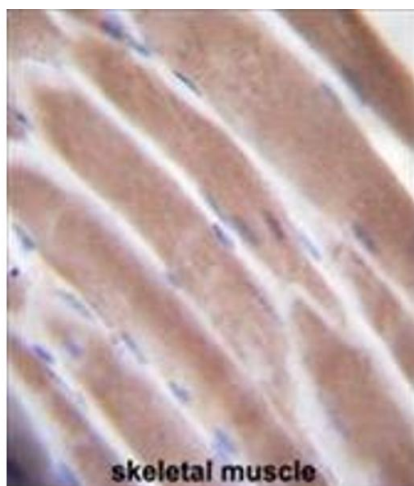
### Western Blotting

**Image 1.** VEGF3 Antibody (N-term) western blot analysis in MCF-7 cell line lysates (35 µg/lane). This demonstrates the VEGF3 antibody detected the VEGF3 protein (arrow).



### Flow Cytometry

**Image 2.** VEGF3 Antibody (N-term) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** VEGF3 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of VEGF3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.