

Datasheet for ABIN1589862
anti-FLT4 antibody



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1 Publication

Overview

Quantity:	100 µg
Target:	FLT4
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This FLT4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Clone:	7A3
Specificity:	Recombinant mouse soluble FLT-4
Characteristics:	Chromosomal location: 11 A5-B1, 11 25.0 cM The hybridoma was generated after fusion with cells from rat immunized with purified, insect cell-derived recombinant mouse soluble FLT-4 (120 kDa) as the immunizing antigen.
Purification:	Rat IgG1 antibody from hybridomas was purified from cell culture supernatant by Protein G chromatography.

Target Details

Target:	FLT4
Alternative Name:	VEGFR-3/FLT-4 (FLT4 Products)
Background:	VEGFR-3, also known as FLT4, is a member of the Tyr protein kinase family. The extracellular

Target Details

portion of VEGFR-3 contains 7 immunoglobulin (Ig)-like domains and the cytoplasmic portion contains a protein kinase domain. FLT4 regulates angiogenesis and lymphangiogenesis, its ligands are VEGF-C and D and its binding is mediated by the 2nd and 3rd Ig-like domains of FLT4. During fetal development VEGFR-3 is expressed on endothelial cells, however, in the adult mice, the vascular endothelial cells lose VEGFR-3 expression, but the lymphatic endothelium expresses it constitutively. In addition, VEGFR-3 expression can be induced in tumors with active angiogenesis.

Synonyms: vascular endothelial growth factor receptor-3, Flt4, Chy, Flt-4, VEGFR3, VEGFR-3,

NCBI Accession: [NP_032055](#), [NM_008029](#)

UniProt: [P35917](#)

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

Application Details

Application Notes: Western Blot: use 1-5 µg/mL.

Comment: Monoclonal Antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS

Handling Advice: Centrifuge vial prior to opening.

Storage: -20 °C

Storage Comment: The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C.

Expiry Date: 6 months

Publications

Product cited in: Tempfer, Kaser-Eichberger, Korntner, Lehner, Kunkel, Traweger, Trost, Strohmaier, Bogner, Runge, Bruckner, Krefft, Heindl, Reitsamer, Schrödl: "Presence of lymphatics in a rat tendon

lesion model." in: **Histochemistry and cell biology**, Vol. 143, Issue 4, pp. 411-9, (2015) ([PubMed](#)).