Rabbit anti-zebrafish Flt4 Monoclonal Antibody Clone 5B6 **Catalog Number:** R16002M5B6



General Information	
Immunogen	recombinant Flt4 intracellular domain
IgG type	IgG
Clonality	Monoclonal
Specificity	Zebrafish Flt4
Applications & dilution	WB 1:500 - 1:1000 IF 1:500 - 1:1000
Formulation	PBS with 0.09% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Abbreviation:	

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry: IF: immunofluorescence. WB: western blot:nosorbent assay; FC: flow cytometry

Background

Flt4 is a tyrosine-kinase receptor for vascular endothelial growth factors C and D. The protein is responsible for lymphangiogenesis maintenance of the lymphatic and endothelium and vascular development. The VEGF signaling pathway is critical in embryonic vasculogenesis and angiogenesis where Flt4 is present in the endothelial cells.

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

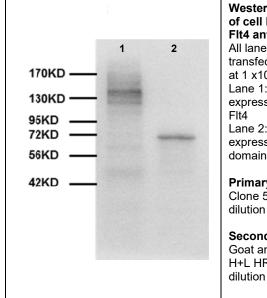
This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

Preparation

Monoclonal antibody is produced by immunizing rabbit with Flt4 intracellular domain and purified using protein A resin.

Applications

Western blot



Western blot analysis of cell lysates using Flt4 antibody

All lanes from transfected 293T lysate at 1 x10⁵ cells Lane 1: recombinant expressed full-length

Lane 2: recombinant expressed cytoplasmic domain of Flt4

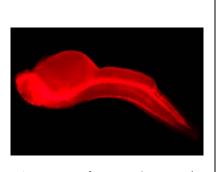
Primary:

Clone 5B6 at 1:1000

Secondary:

Goat anti-rabbit IgG H+L HRP at 1:3000

Immunofluorescence



Picture courtesy from Dr. Nathan Lawson's laboratory at UMASS Medical School

Immunofluorescence analysis of Zebrafish embryo using Flt4 purified antibody.

Primary:

Clone 5B6 at 1:1000 dilution

Secondary:

1:1000 goat anti-rabbit IgG HRP + 1/500 goat anti-mouse IgG Alexa-488

Signal amplification: Tyramide Cy-3

For research use only