# Flt-4 Mouse mAb

CatalogNo: YM0279

## Key Features

Host Species
- Mouse

Reactivity
- Human

Applications
- WB,ELISA

MW
- 153kD (Calculated)

## Recommended Dilution Ratios

**WB 1:500-1:2000**
**ELISA 1:10000**
**Not yet tested in other applications.**

## Storage

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|---|---|
| **Storage*** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |

## Basic Information

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|---|---|
| **Clonality** | Monoclonal |
| **Clone Number** | 4E11 |

## Immunogen Information

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|---|---|
| **Immunogen** | Purified recombinant fragment of human Flt-4 expressed in E. Coli. |
| **Specificity** | Flt-4 Monoclonal Antibody detects endogenous levels of Flt-4 protein. |

## Target Information

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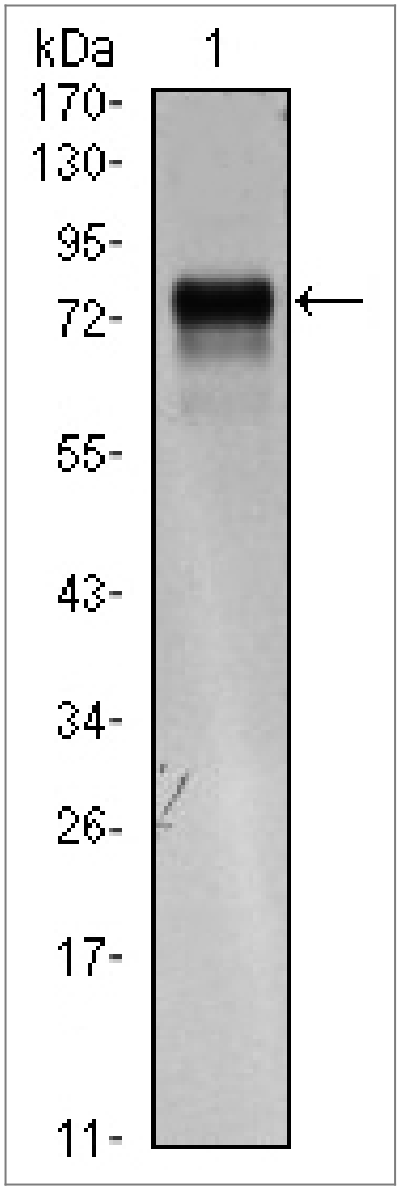
|---|---|
| **Gene name** | FLT4 VEGFR3 |
| **Protein Name** | Vascular endothelial growth factor receptor 3 |

| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 2324; | P35916; |

| | |
|---|---|
| **Cellular Localization** | Cell membrane ; Single-pass type I membrane protein. Cytoplasm . Nucleus . Ligand-mediated autophosphorylation leads to rapid internalization. .; [Isoform 1]: Cell membrane; Single-pass type I membrane protein. Ligand-mediated autophosphorylation leads to rapid internalization.; [Isoform 2]: Cell membrane; Single-pass type I membrane protein.; [Isoform 3]: Secreted. Cytoplasm. |
| **Tissue specificity** | Detected in endothelial cells (at protein level). Widely expressed. Detected in fetal spleen, lung and brain. Detected in adult liver, muscle, thymus, placenta, lung, testis, ovary, prostate, heart, and kidney. |
| **Function** | Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in FLT4 are found in juvenile hemangioma. Juvenile hemangiomas are the most common tumors of infancy, occurring as many as 10% of all births. These benign vascular lesions enlarge rapidly during the first year of life by hyperplasia of endothelial cells and attendant pericytes, and then spontaneously involute over a period of years, leaving loose fibrofatty tissue.,Disease:Defects in FLT4 are the cause of lymphedema hereditary type 1 (LYH1A) [MIM:153100]; also known as Nonne-Milroy lymphedema or Milroy disease. Hereditary lymphedema is a chronic disabling condition which results in swelling of the extremities due to altered lymphatic flow. Patients with lymphedema suffer from recurrent local infections and physical impairment.,Function:Receptor for VEGFC. Has a tyrosine-protein kinase activity.,online information:FLT4 entry,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 7 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain., |

## Validation Data




Western Blot analysis using Flt-4 Monoclonal Antibody against FLT4-hIgGFc transfected HEK293 cell lysate.

## Contact information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|---|---|
| Orders: | order@immunoway.com |
| Support: | tech@immunoway.com |
| Telephone: | 877-594-3616 (Toll Free), 408-747-0185 |
| Website: | http://www.immunoway.com |
| Address: | 2200 Ringwood Ave San Jose, CA 95131 USA |


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**Flt-4 Mouse mAb**