

Agonistic antibody of human VEGFR1

ORDERING INFORMATION

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| Catalog No: | mV1004m-h |
| Size: | 200 µg |
| Storage: | -70° C |
| Immunogen: | hVEGFR1 N-terminal fragment (N25-250) |
| Ig Type: | mouse IgG1 |
| Clone: | 8F12 |
| Applications: | Inducing hVEGFR1 tyrosine phosphorylation |

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with purified human VEGFR1 N-terminal fragment (AA N25-250)). IgG fraction of the tissue culture supernatant was purified by affinity chromatography.

Formulation & Reconstitution: Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) and reconstitute with sterile PBS.

Storage: Lyophilized products are stable for at least 2 years when stored at -20°C. Reconstituted antibody can be stored frozen at -70°C for at least for 6-months. **Avoid repeated freeze-thaw cycles.**

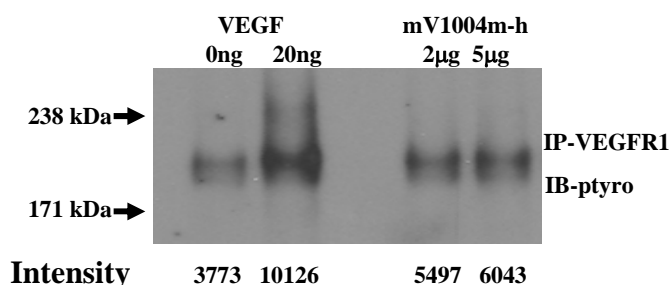
Specificity: This antibody recognizes hVEGFR1 in western blot. It shows no cross-reactivity with hVEGFR2.

Applications

1. VEGFR1 activation: Yes

This antibody can induce hVEGFR2 phosphorylation in HUVECs at > 2.0 µg/mL.

2. Western blot: Yes



HUVECs were treated with 20ng/ml VEGF, 2 or 5.0µg/ml mV1004m-h for 10 min. The phospho-VEGFR1 was detected with IP-Western for p-Tyrosine.

References:

Ptaszynska MM, Pendrak ML, Bandle RW, Stracke ML, Roberts DD. **Positive Feedback between Vascular Endothelial Growth Factor-A and Autotaxin in Ovarian Cancer Cells.** Mol Cancer Res. 2008, 6(3):352-63.

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