

Product Data Sheet

Alexa Fluor® 488 anti-mouse CD309 (VEGFR2, Flk-1)

| Catalog # / Size: | 136407 / 25 µg 136408 / 100 µg | | | | |
|-------------------------|---|--|---|--|--|
| Clone: | Avas12 | | | | |
| Isotype: | Rat IgG2a, κ | 1 J <i>N</i> | | | |
| Immunogen: | Murine Flk1 fused to hlgG Fc | | 1 M. I. | | |
| Reactivity: | Mouse | 1 | <u>₹</u> / "() | | |
| Preparation: | The antibody was purified by affinity chromatography, and Alexa Fluor® 488 under optimal conditions. The solution is unconjugated Alexa Fluor® 488. | conjugated with free of | | | |
| Formulation: | Phosphate-buffered solution, pH 7.2, containing 0.09% so | dium azide. | | | |
| Concentration: | 0.5 mg/ml | | FLT+H | | |
| Storage: | The antibody solution should be stored undiluted at 4°C as prolonged exposure to light. Do not freeze. | nd protected from | 10 ⁰ 10 ¹ 10 ² 10 ³ 10 ⁴ Log Fluorescence Intensity | | |
| Application | S: | | bEnd.3 endothelial cells stained with Avas12a1 Alexa Fluor® 488 | | |
| Applications: | FC - Quality tested IHC - Reported in the literature | | | | |
| Recommended Usage: | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is \leq 2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. | | | | |
| | * Alexa Fluor® 488 has a maximum emission of 519 nm w ** Alexa Fluor® 488 is a registered trademark of Molecula are sold under license from Molecular Probes, Inc. for rese microarrays and high content screening, and are covered | າ of 519 nm when it is excited at 488 nm. k of Molecular Probes, Inc. Alexa Fluor® 488 dye antibody conjugates s, Inc. for research use only, except for use in combination with I are covered by pending and issued patents. | | | |
| Application Notes: | Avas12 recognizes a different epitope than clone 89B3A5. | | | | |
| Application References: | 1. Kataoka H, et al. 1997. Dev. Growth Differ. 39:729. | | | | |
| Description: | CD309 is also known as vascular endothelial growth factor receptor 2 (VEGFR2) and fetal liver kinase-1 (Flk-1). CD309 is a member of the tyrosine protein kinase family that contains a single pass transmembrane receptor with a protein kinase domain and seven immunoglobulin-like domains in the extracellular region. CD309 is expressed at high levels in adult heart, lung, kidney, brain, and skeletal muscle. It's a receptor for VEGF or VEGFC, and plays an important role in the development of vascular endothelial cells, hematopoietic cells, and vascular permeability. | | | | |
| Antigen References: | Kaburn N, <i>et al.</i> 1997. <i>Development</i>. 124:2039 Patterson C, <i>et al.</i> 1995. <i>J. Bio. Chem.</i> 270:23111 Nishikawa SI, <i>et al.</i> 1998. <i>Immunity</i> 8 (6):761 Shalaby F, <i>et al.</i> 1997. <i>Cell.</i> 89 (6):981 | | | | |
| Related Products | :Product Alexa Fluor® 488 Rat IgG2a, κ Isotype Ctrl Cell Staining Buffer RBC Lysis Buffer (10X) TruStain fcX™ (anti-mouse CD16/32) | Clone RTK2758 93 | Application FC, ICFC FC, ICC, ICFC FC, ICFC FC | | |
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