SONY

Product Data Sheet

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

Catalog # / Size: 1209540 / 100 µg
1209535 / 25 µg

Clone: 89B3A5

Isotype: Rat IgG2a, κ

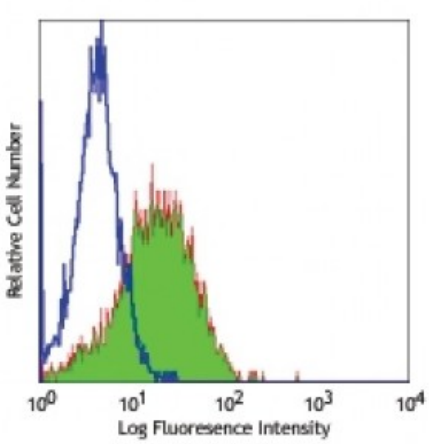
Immunogen: Rat-1 cells transfected with full-length mouse Flk

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



Mouse FLK-1 transfected cells stained with 89B3A5 Alexa Fluor® 488

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤2.0 microg per million cells in 100 microL 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 when it is excited at 488 nm.

Application References:

1. Kaburn N, *et al.* 1997. *Development* 124:2039.

Description: The 89B3A5 antibody recognizes mouse CD309 also known as vascular endothelial growth factor receptor 2, VEGFR2, KDR, protein tyrosine kinase receptor flk-1, and fetal liver kinase-1. Flk-1 is a member of the tyrosine protein kinase family, sub-family CSF-1/PDGF, that contains a single pass transmembrane receptor with a protein kinase domain and seven immunoglobulin-like domains in the extracellular region. Flk-1 is expressed at high levels in adult heart, lung, kidney, brain, and skeletal muscle; other tissues express at lower levels. Flk-1 is a receptor for VEGF or VEGFC; ligand binding plays a key role in vascular development and vascular permeability. The 89B3A5 antibody has been shown to be useful for flow cytometry.

Antigen References:

1. Patterson C, *et al.* 1995. *J. Biol. Chem.* 270:23111.
2. Quinn TP, *et al.* 1993. *Proc. Natl. Acad. Sci. USA* 90:7533.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com