

PE anti-human Delta-like protein 4 (DLL4)

Catalog # / Size: 2332530 / 100 tests
2332525 / 25 tests

Clone: MHD4-46

Isotype: Mouse IgG1, κ

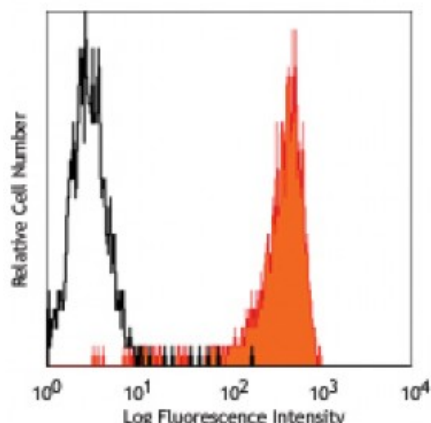
Immunogen: Recombinant human DLL4

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human DLL4 transfected CHO cells stained with MHD4-46 PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications for the relevant formats include: blocking of DLL4 binding to Notch 1 and Notch 4.

Application References: 1. Yamanda S, *et al.* 2009. *Blood* 113:3631.

Description: Delta-like protein 4 (DLL4) is a type I transmembrane protein whose extracellular domain contains a DSL domain and eight tandem EGF repeats. After binding of its ligands Notch 1 and Notch 4, the extracellular and cytoplasmic domains are cleaved and the cytoplasmic domain is translocated into the nucleus. DLL4 is expressed in the vascular endothelium, neural epithelium, adrenal cortex, spleen, and lymph nodes. It is also highly expressed in some types of bladder, breast, and renal carcinomas. DLL4 is critical in vascular development and homeostasis.

Antigen References: 1. Beck RC, *et al.* 2009. *Biol Blood Marrow Transplant.* 15:1026.
2. Mazella J, *et al.* 2008. *Endocrinology.* 149:15.
3. Noguera-Troise I, *et al.* 2006. *Nature* 444:1032.
4. Sugimoto A,