

# Product Data Sheet

## Purified anti-mouse DLL1

**Catalog # / Size:** 128301 / 50 µg  
128302 / 500 µg

**Clone:** HMD1-3

**Isotype:** Armenian Hamster IgG

**Immunogen:** CHO cells expressing murine Dll 1

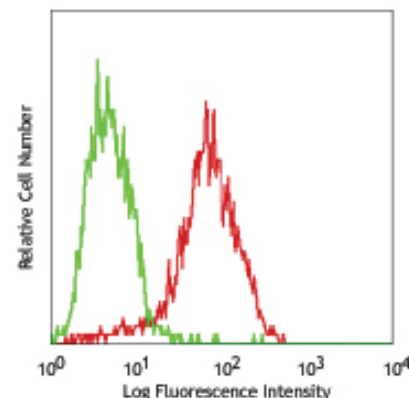
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

**Concentration:** 0.5 mg/ml

**Storage:** Store undiluted at 4°C. Do not freeze.



FD1/CHO (mouse DLL1 transfected cell line) stained with purified HMD1-3, followed by anti-Armenian hamster IgG PE

## Applications:

**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 ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Moriyama Y, *et al.* 2008. *Int. Immunol.* 20:763.

**Description:** The Notch receptors and their ligands are highly conserved from invertebrates to mammals. The Delta-like 1 (DLL1) is one of the four or five Notch ligands identified. The binding to Notch receptor results in the proteolysis of Notch and movement of intracellular portion of Notch into the nucleus. This translocation triggers a series of signaling process. Delta-like 1 is reported to be essential for the maintenance of marginal zone B cells in normal mice, and engagement of Notch 1 by DLL1 promotes differentiation of B lymphocytes to antibody-secreting cells.

**Antigen References:** 1. Ehebauer MT, *et al.* 2006. *Biochem. J.* 392:13.  
2. Shimizu K, *et al.* 2000. *Mol. Cell. Biology* 20:18.  
3. Parks AL, *et al.* 2006. *Genetics* 174:1947.  
4. Santos MA, *et al.* 2007. *P. Natl. Acad. Sci. USA* 104:15454.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICC, ICFC, IF, IP, WB



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