

# Product Data Sheet

## LEAF™ Purified anti-mouse Jagged 2

**Catalog # / Size:** 131004 / 500 µg

**Clone:** HMJ2-1

**Isotype:** Armenian Hamster IgG

**Immunogen:** CHO cells expressing murine Jagged-2

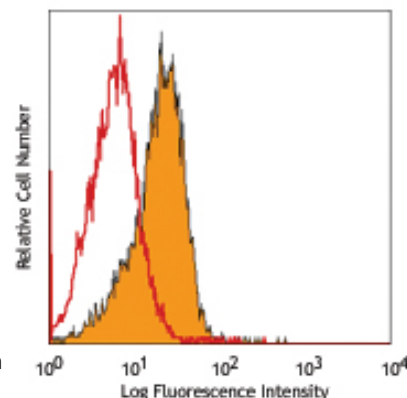
**Reactivity:** Mouse

**Preparation:** The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

**Formulation:** 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

**Concentration:** 1.0 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



*FJ2/CHO transfected cells stained with LEAF™ purified HMJ2-1, 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 or 100 µl of whole blood. 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 (FC)

**Description:** The Notch receptors and their ligands are highly conserved from invertebrates to mammals. The Jagged-2 is one of the several 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. Jagged-2 is reported to be essential for the regulation of spermatogenesis.

**Antigen References:** 1. Ehebauer MT, *et al.* 2006. *Biochem J* 392:13  
2. Shimizu K, *et al.* 2000. *Mol Cell Biology* 20:18  
3. Hellstrom M, *et al.* 2007. *Nature* 445:776  
4. Luo B, *et al.* 1997. *Mol Cell Biol.* 17:6057

### Related Products:

**Product**  
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
HTK888

### Application

FC, ICFC, WB, IP, ICC, IF, FA  
FC, ICC, ICFC  
FC, ICFC



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