

# Product Data Sheet

## PE anti-mouse Jagged 2

**Catalog # / Size:** 131007 / 50 µg

**Clone:** HMJ2-1

**Isotype:** Armenian Hamster IgG

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

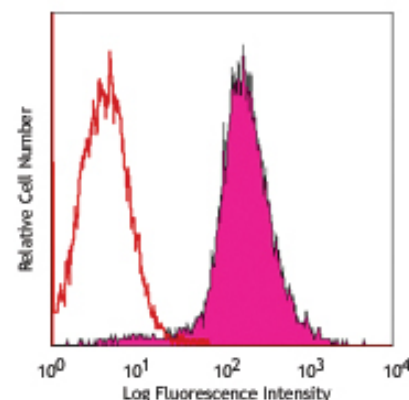
**Reactivity:** Mouse

**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.

**Concentration:** 0.2 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



FJ2/CHO transfected cells stained with HMJ2-1 PE

## Applications:

**Applications:** FC - Quality tested

**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  $\leq 1.0$  µg per  $10^6$  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 (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  
 PE Armenian Hamster IgG Isotype Ctrl  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)  
 TruStain fcX™ (anti-mouse CD16/32)

Clone  
 HTK888

93

Application  
 FC, ICFC  
 FC, ICC, ICFC  
 FC, ICFC  
 FC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biollegend.com/ordering#license](http://www.biollegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.