

Jagged 2 Monoclonal Antibody (HMJ2-1), eFluor 660, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse, Rat
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), eFluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HMJ2-1
Conjugate	eFluor® 660
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574203

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	-

Product Specific Information

Description: This HMJ2-1 monoclonal antibody reacts with mouse Jagged-2, one of five type I transmembrane proteins that serves as a Notch receptor ligand. Upon binding the Notch receptor (e.g., Notch 1-4), Jagged-2 undergoes proteolytic cleavage, first by ADAM-family metalloproteases and then by gamma-secretase. The second cleavage event releases an intracellular fragment whose biological function remains controversial. Jagged-2 is expressed by thymic lymphoid and stromal cells, as well as macrophages and dendritic cells in the spleen.

Note: Staining of endogenous splenic dendritic (CD8+CD11c+) cells could only be consistently confirmed in cells isolated from C57BL/6, but not Balb/c, mice. Other strains have not been tested. The antibody has been reported to crossreact to rat and have blocking function.

Applications Reported: This HMJ2-1 antibody has been reported for use in flow cytometric analysis.

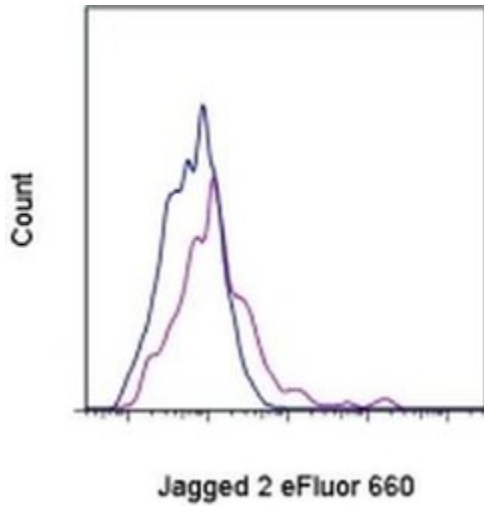
Applications Tested: This HMJ2-1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Jagged 2 Monoclonal Antibody (HMJ2-1), eFluor 660, eBioscience™



Jagged 2 Antibody (50-3392-82) in Flow

Staining of C57Bl/6 splenocytes with 0.5 µg of Armenian Hamster IgG Isotype Control eFluor® 660 (Product # 50-4888-82) (blue histogram) or 0.5 µg of Anti-Mouse Jagged 2 eFluor® 660 (purple histogram). CD8+CD11c+ cells were used for analysis.

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