Polyclonal
Anti-rat Notch-2-Fluorescein

Catalog Number: FAB1190F
Lot Number: AAXS01
100 Tests

Reagents Provided

Carboxyfluorescein (CFS)-conjugated goat polyclonal anti-rat Notch-2: Supplied as 25 µg of antibody in 1 mL saline containing up to 0.5% BSA and 0.1% sodium azide.

Antibody type: goat IgG

Reagents Not Provided

- Flow Cytometry Staining Buffer (Catalog # FC001) or other BSA-supplemented saline buffer.

Storage

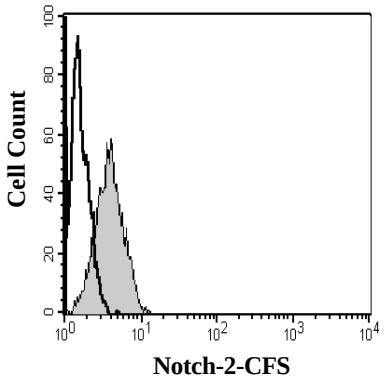
Reagents are stable for **twelve months** from date of receipt when stored in the dark at 2° - 8° C.

Intended Use

Designed to quantitatively determine the percentage of cells bearing Notch-2 within a population and qualitatively determine the density of Notch-2 on cell surfaces by flow cytometry.

Product Description

This antibody was produced in goats immunized with purified, NS0-derived recombinant rat Notch-2 (rrNotch-2; aa 26 - 492). Rat Notch-2 specific IgG was purified by rat Notch-2 affinity chromatography. The affinity purified antibody was then conjugated to CFS fluorochrome. Cell surface expression of Notch-2 is determined by flow cytometry using 488 nm wavelength excitation and monitoring emitted fluorescence with a detector optimized to collect peak emissions at 515 - 545 nm.



Rat splenocytes were stained with CFS-conjugated anti-rat Notch-2 (Catalog # FAB1190F, filled histogram) or control (Catalog # IC108F, open histogram).

Background Information

Notch-2 is a type I transmembrane glycoprotein involved in a number of early events in development. Notch-2 interacts with the transmembrane ligands Delta, Serrate, Lag-2 and Jagged.

Flow Cytometry Validation

This antibody has been tested for flow cytometry using rat splenocytes.

1. Cells were Fc-blocked with 1 µg of rat IgG/10^5 cells for 15 minutes at room temperature. Do not wash excess blocking IgG from this reaction.
2. After blocking, 10 µL of conjugated antibody was added to 1 - 2.5 x 10^5 cells and incubated for 30 minutes at room temperature.
3. Unbound antibody was removed by washing the cells twice in Flow Cytometry Staining Buffer (Catalog # FC001).
4. The cells were resuspended in Flow Cytometry Staining Buffer for final flow cytometric analysis. As a control for this analysis, cells in a separate tube should be treated with CFS-labeled goat IgG antibody. This procedure may need to be modified, depending upon cell type and final utilization. Individual users may need to titrate to determine optimal reagent amount for their specific use.

Warning: Contains sodium azide as a preservative - sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large volumes of water during disposal.

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