Human Notch-3
Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 603532

Catalog Number: FAB1559T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Notch-3 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) Notch-3 ICD (aa 2195-2321), rhNotch-1, rhNotch-1 ICD (aa 2251-2556), rhNotch-2, rhNotch-2 ICD (aa 2063-2413), rhNotch-4, rhNotch-4 ICD (aa 1778-2003), recombinant mouse Notch-3, or recombinant rat DLL1 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 603532
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Notch-3 Ala40-Glu467 Accession # Q9UM47
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	BG01V Human Embryonic Stem Cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Human Notch-3 is a member of the Notch family of type I transmembrane glycoproteins involved in early-event developmental processes. The 2321 amino acid (aa) Notch-3 precursor contains a 1603 aa extracellular region with 34 EGF-like repeats. Repeats 1-11 of human Notch-3 are within the sequence used as an immunogen, and share 94% aa identity with mouse and rat Notch-3. Repeats 11 and 12 are critical for binding the ligands Jagged and Delta. Notch-3 is expressed in vascular smooth muscle, proliferating neuroepithelium, $CD4^-CD8^-$ thymocytes, regulatory T cells and T-ALL leukemia cells. Mutations in the first 5 EGF repeats of Notch-3 in humans can cause CADASIL (cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy).

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