Human BATF3
Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 841702

Catalog Number: FAB7437R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BATF3 in ELISA.
Source	Monoclonal Mouse IgG_{2B} Clone # 841702
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human BATF3 Met1-Arg127 Accession # Q9NR55
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	Human peripheral blood mononuclear cell (PBMC) monocytes fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

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

BATF3 (Basic leucine zipper transcriptional factor ATF-like 3; also p21SNFT) is a 20 kDa nuclear member of the bZIP family of proteins. It is expressed in Th1 cells and conventional dendritic cells ($CD11c^+$), and serves to downregulate AP-1 mediated transcription. BATF3 accomplishes this by heterodimerizing with Jun and binding to AP-1 consensus binding sites, thus precluding a Jun/Fos interaction with gene activation. Human BAFT3 is 127 amino acids (aa) in length. It contains one DNA binding motif (aa 41-59) with an adjacent leucine-zipper (aa 63-84), but lacks a transactivation domain. Full-length human BATF3 (aa 1-127) shares 80% aa sequence identity with mouse BATF3.

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