

Human BAI3 Antibody

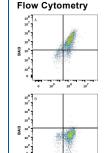
Monoclonal Mouse IgG₁ Clone # 409611 Catalog Number: MAB3965

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human BAI3 in direct ELISAs and Western blots.	
Source	Monoclonal Mouse IgG ₁ Clone # 409611	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Mouse myeloma cell line NS0-derived recombinant human BAI3 Ala25-Thr880 Accession # O60242	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

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
Western Blot	1 μg/mL	Recombinant Human BAI3 under non-reducing conditions only
Flow Cytometry	0.25 μg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



Detection of BAI3 in HEK293 Human Cell Line Transfected with Human BAI3 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) human BAI3 or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human BAI3 Monoclonal Antibody (Catalog # MAB3965) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB002). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS. Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUNE

Human BAI3 (brain-specific angiogenesis inhibitor 3) is a 177 kDa, 7-transmembrane (TM) member of the secretin receptor family. It is synthesized by neurons of the CNS and likely is a negative regulator of angiogenesis. BAI3 is 1498 amino acids (aa) in size. It contains three distinct regions; an N-terminal extracellular domain (ECD) (aa 25-883), a 7-TM segment, and a C-terminal cytoplasmic region. The ECD contains four antiangiogenic TSP type1 repeats (aa 296-508), and one GPS domain (aa 816-867) that is likely used to cleave the ECD from the membrane-bound receptor. There is one alternate splice form that shows a deletion of aa 643-665. Over aa 25-880, human BAI3 shares 98% aa identity with mouse BAI3.

Rev. 8/20/2019 Page 1 of 1

