

Human BAI3 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 409611
Catalog Number: FAB3965R
100 µg

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
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. *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	HEK293 Human Cell Line Transfected with Human BAI3 and eGFP

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 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.

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