

Human BAI3 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 409633

Catalog Number: FAB39651R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BAI3 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 409633
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 and SHSY-5Y Human Neuroblastoma Cell Line

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.

PRODUCT SPECIFIC NOTICES

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