

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 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

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. <ul style="list-style-type: none"> 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.

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.