

For Research Use Only

BSN Recombinant monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 87031-1-PBS



Basic Information

Catalog Number: 87031-1-PBS	GenBank Accession Number: NM_003458	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8927	CloneNo.: 252130E12
Source: Rabbit	UNIPROT ID: Q9UPA5	
Isotype: IgG	Full Name: bassoon (presynaptic cytomatrix protein)	
Immunogen Catalog Number: AG33105	Calculated MW: 416 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

87031-1-PBS targets BSN as part of a matched antibody pair:

MP02837-1: 87031-2-PBS capture and 87031-1-PBS detection (validated in Cytometric bead array)

MP02837-2: 87031-1-PBS capture and 87031-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

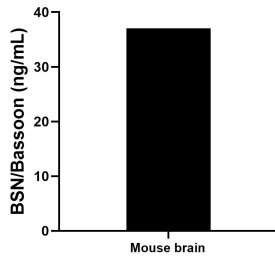
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

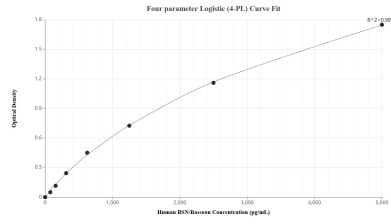
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

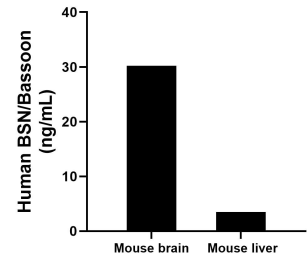
Selected Validation Data



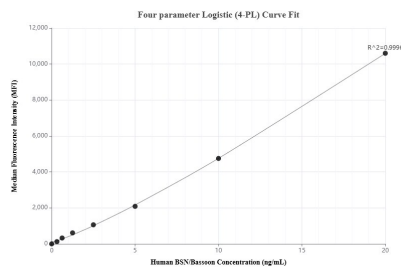
The mean BSN/Bassoon concentration was determined to be 37.0 ng/mL in mouse brain tissue extract based on a 6.2 mg/mL extract load.



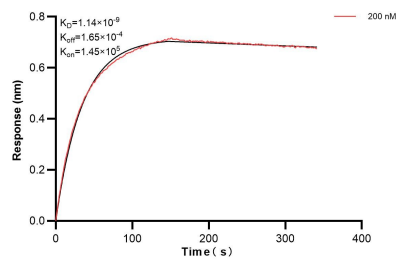
Sandwich ELISA standard curve of MP02837-2, Human BSN/Bassoon Recombinant Matched Antibody Pair - PBS only. 87031-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag33105. 87031-3-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean BSN/Bassoon concentration was determined to be 30.2 ng/mL in mouse brain tissue extract based on a 6.3 mg/mL extract load, 3.5 ng/mL in mouse liver tissue extract based on a 4.4 mg/mL extract load.



Cytometric bead array standard curve of MP02837-1, BSN/Bassoon Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87031-2-PBS. Detection antibody: 87031-1-PBS. Standard: Ag33105. Range: 0.312-20 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 87031-1-PBS against Human BSN was performed. The affinity constant is 1.14 nM.