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PRODUCT DATASHEET

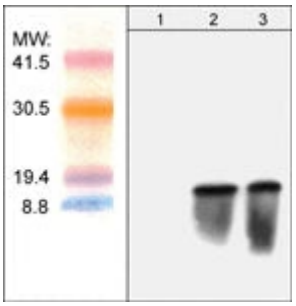
Anti-Blasticidin S Deaminase Antibody

Product Details

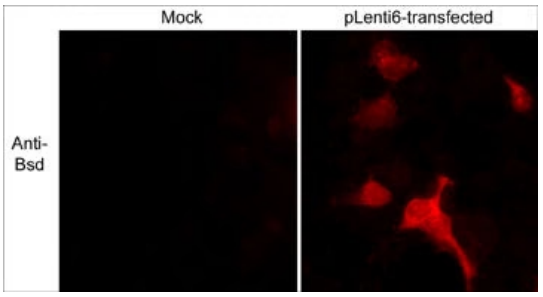
Available Variants	100 µL (SKU:BP1231)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	BSD
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues in the N-terminal region of Blasticidin S Deaminase* from Aspergillus Terreus.
Specificity	The antibody detects a 13 kDa* protein corresponding to the molecular mass of Bsd on SDS-PAGE immunoblots of 293 cells transfected with a lentiviral vector that expresses the Bsd gene product, but is not detected in mock transfected cells.
Molecular Weight	13
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	P0C2P0 UniProt Summary: Catalyzes the deamination of the cytosine moiety of the antibiotics blasticidin S, cytomycin and acetylblasticidin S.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Product Images



Western blot of 293 cells mock transfected (lane 1) or transiently transfected with pLenti6/TR lentiviral vector (lanes 2 & 3). Blots were probed with anti-Bsd (lanes 1-3). Molecular weight (MW) standards show that Bsd is expressed as a 13 kDa band in only the transfected cells.



Immunocytochemical labeling of Blasticidin S Deaminase (Bsd) in 293 cells mock transfected (left) and transiently transfected with pLenti6/TR lentiviral vector (right). The cells were labeled with anti-Bsd (BP1231) and detected using appropriate secondary antibody conjugated to Texas Red. (Images provided by Charles Mashburn and Dr. George Smith at the University of Kentucky, Spinal Cord and Brain Injury Research Center).