

DESCRIPTION

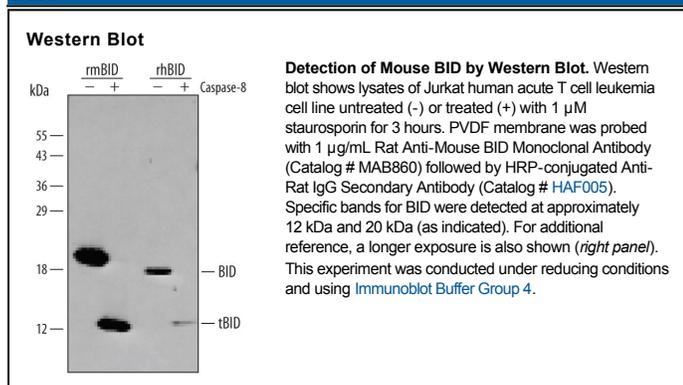
Species Reactivity	Mouse
Specificity	Detects mouse BID in Western blots. Detects full-length mouse BID and the 15 kDa carboxyl-terminal fragment (tBID) generated by cleavage with Caspase-8. The antibody also detects human BID. However, in Western blots of recombinant human and mouse BID, the antibody is most sensitive for mouse BID.
Source	Monoclonal Rat IgG ₁ Clone # 91508
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse BID Met1-Asp195 Accession # P70444
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	See Below

DATA



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

BID is a member of the Bcl-2 family of proteins that regulates outer mitochondrial membrane permeability. BID is cytosolic in healthy cells but upon delivery of an apoptotic signal, BID is cleaved by Caspase-8. The cleaved form is translocated to the mitochondria outer membrane where it binds to BAK and the resulting complex causes altered mitochondrial membrane permeability.