

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BIM _L in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human BIM _L Long (BIM L) Ala2-Arg120 Accession # NP_006529
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.

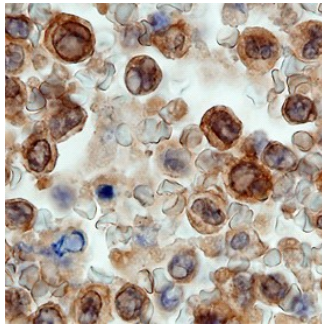
APPLICATIONS

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
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



BIM_L in Human Spleen. BIM_L was detected in immersion fixed paraffin-embedded sections of human spleen using Goat Anti-Human BIM_L Long (BIM L) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1325) at 15 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm and perinuclear area in monocytes. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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

BIM_L (also known as Bod) is one of several splice variants of BIM, a pro-apoptotic protein belonging to the BH3 domain-only subgroup of Bcl-2 family members. BIM_L is thought to promote apoptosis by binding and inhibiting the activity of anti-apoptotic Bcl-2 family members, thereby inducing the release of cytochrome c from mitochondria. BIM_L is normally sequestered in an inactive conformation from anti-apoptotic Bcl-2 family members through binding to the microtubule-associated dynein motor complex. Certain apoptotic stimuli release BIM_L from microtubules to neutralize anti-apoptotic Bcl-2 family members, allowing for the initiation of apoptosis.

References:

1. O'Connor, L. *et al.* (1998) EMBO J. **17**:384.
2. Puthalakath, H. *et al.* (1999) Mol. Cell. **3**:287.
3. Miyashita, T. (2001) FEBS Letters **509**:135.
4. Strasser, A. (2000) Ann N Y Acad Sci. **917**:541.
5. Marani, M. *et al.* (2002) Mol. Cell. Biol. **22**:3577.