

## Anti-Smac/Diablo Antibody Picoband® PE Conjugated

Catalog Number: PB9860-PE

### About DIABLO

Diablo homolog (DIABLO), also referred to as second mitochondria-derived activator of caspases or SMAC, is a mitochondrial protein that in humans is encoded by the DIABLO (direct IAP binding protein with low pI) gene on chromosome 12. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and allows activation of caspases by binding to inhibitor of apoptosis proteins. Overexpression of the encoded protein sensitizes tumor cells to apoptosis. A mutation in this gene is associated with young-adult onset of nonsyndromic deafness-64. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Overview

Product Name	Anti-Smac/Diablo Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9NR28

### Technical Details

Immunogen	E. coli-derived human Smac/Diablo recombinant protein (Position: A56-D239). Human Smac/Diablo shares 88.6% amino acid (aa) sequence identity with mouse Smac/Diablo.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 28081713, You F, Li Q, Jin G, Zheng Y, Chen J, Yang H. BMC Neurosci. 2017 Jan 12;18(1):12. doi: 10.1186/s12868-016-0329-9. Genistein protects against Abeta25–35 induced apoptosis of PC12 cells through JNK signaling and modulation of Bcl-2 family messengers

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