

Recombinant SMAC/Diablo Monoclonal Antibody

catalog number: **AN300075P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

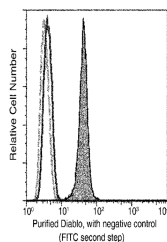
Description

Reactivity	Human
Immunogen	Recombinant Human SMAC / Diablo protein
Host	Rabbit
Isotype	IgG
Clone	11D12
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

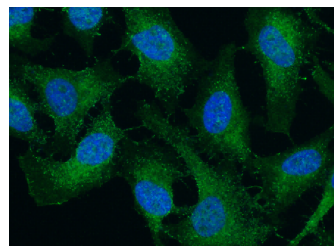
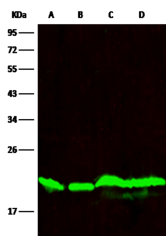
Applications

Applications	Recommended Dilution
WB	1:10000-1:50000
FCM	1:25-1:100
ICC/IF	1:20-1:100

Data



Flow cytometric analysis of Human Diablo expression on HeLa cells. The cells were stained with purified anti-Human Diablo (Filled histogram), then a FITC-conjugated second step antibody. To demonstrate specificity of staining, the binding by 10339-R006 was blocked by preincubation of the purified antibody with 20ug recombinant human Diablo (Cat: PKSH031669) for 1 hour (Black solid line histogram). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Human Diablo in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human Diablo Monoclonal Antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue). Positive staining was localized to cytoplasm.

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Western Blot with SMAC / Diablo Monoclonal Antibody at dilution of 1:10000. Lane A: Hela Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: A431 Whole Cell Lysate, Lane D: MCF7 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:20 kDa

Calculated-MW:22 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. 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-61. Alternative splicing results in multiple transcript variants encoding different isoforms.

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