

Product datasheet for **AM08194PU-N**

DIABLO Mouse Monoclonal Antibody [Clone ID: 2D12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D12
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/1,000-1/2,000. Western Blot: 1/5,000-1/10,000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody is specific for Human SMAC/DIABLO.
Formulation:	100 mM Borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	diablo IAP-binding mitochondrial protein
Database Link:	Entrez Gene 56616 Human Q9NR28



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Background:

SMAC/DIABLO (second mitochondria-derived activator of caspase/direct IAP-binding protein with low PI) is a mitochondrial protein that functions as a regulatory component during apoptosis. It is encoded by a nuclear gene and is subsequently imported into the mitochondria where the N-terminus is removed generating the mature form of the molecule. SMAC/DIABLO has been shown to neutralize the antiapoptotic effect of the inhibitor of apoptosis protein (IAP) family, a major group of apoptosis regulators that have been shown to directly block caspase activity thereby blocking apoptosis. (Ref.1-6)

Synonyms:

0610041G12Rik; DIABLO-S; FLJ10537; FLJ25049; SMAC; SMAC3