Technical Data Sheet

Purified Mouse Anti-Human TRADD

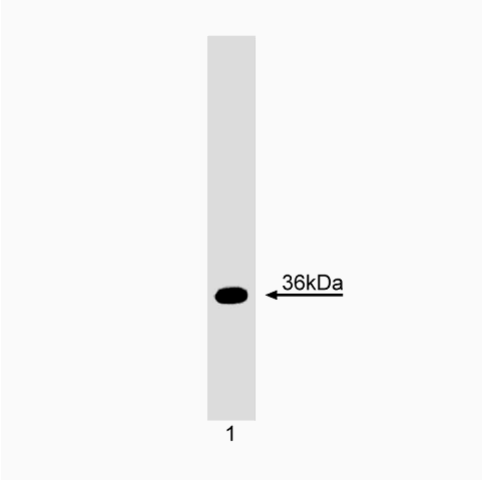
Product Information

Material Number:	**556496**
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	B36-2
Immunogen:	Human TRADD aa. 14-62
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human
Target MW:	36 kDa
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

TRADD (TNF Receptor Associated Death domain) is an ~36 kDa protein that interacts specifically with the cytoplasmic domain of the type I TNF Receptor. Overexpression of the C-terminal 118 amino acids of TRADD, the "death domain," is sufficient to induce two major TNF-induced responses, apoptosis and activation of nuclear transcription factor, NF-κB. Evidence suggests that TRADD interacts with other signal molecules including TRAF1, TRAF2 and FADD, allowing recruitment of these molecules to the TNF receptor complex. A similar interaction has been demonstrated for TRADD and the serine/threonine kinase RIP. Coexpression of the ICE-specific protease inhibitor, CrmA, inhibits TRADD-induced apoptosis, but does not affect induction of NF-κB, suggesting that TRADD may serve to initiate distinct signal pathways.

The B36-2 antibody recognizes an ~36 kDa band corresponding to human TRADD. A recombinant human TRADD protein fragment corresponding to amino acids 14-62 was used as immunogen.



Western blot analysis of TRADD. *Daudi lymphoma cell lysates were probed with anti-human TRADD (clone B36-2). TRADD is identified as a 36 kDa band.*

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4°C.

Application Notes

Application

Western blot	Routinely Tested

Recommended Assay Procedure:

Daudi B lymphoma cells (ATCC CRL-213) and Jurkat T cells (ATCC TIB-152) are suggested as positive controls.

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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References

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Hsu H, Xiong J, Goeddel DV. The TNF receptor 1-associated protein TRADD signals cell death and NF-kappa B activation. *Cell.* 1995; 81(4):495-504.(Biology)

Varfolomeev EE, Boldin MP, Goncharov TM, Wallach D. A potential mechanism of "cross-talk" between the p55 tumor necrosis factor receptor and Fas/APO1: proteins binding to the death domains of the two receptors also bind to each other. *J Exp Med.* 1996; 183(3):1271-1275.(Biology)