Technical Data Sheet

Purified Mouse Anti-TRADD

Product Information

Material Number: 610572
Alternate Name: TNFR1-Associated Death Domain protein
Size: 50 µg
Concentration: 250 µg/ml
Clone: 37/TRADD
Immunogen: Human TRADD aa. 163-312
Isotype: Mouse IgG1
Reactivity: QC Testing: Human
Tested in Development: Rat
Target MW: 34 kDa
Storage Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

TNFα (Tumor Necrosis Factor) stimulates programmed cell death and NF-κB activation as a result of its binding to the TNF receptor 1 (TNFR1). Within this receptor, a sequence referred to as the “death domain” has been shown to be necessary for both of these functions. Using the yeast two-hybrid system to detect proteins which interact with the receptor through this “death domain”, a 34 kDa protein was found and designated TRADD (TNFR1-Associated Death Domain protein). TRADD appears to contain no intrinsic catalytic activity. It also contains a death domain and it has been shown to bind to FADD and RIP. Mutational analysis of TRADD demonstrates that programmed cell death and NF-κB activation are distinct and controlled independently.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at -20°C.

BD Biosciences

For country-specific contact information, visit bdbiosciences.com/how_to_order/
**Application Notes**

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<th>Tested During Development</th>
<th>Routinely Tested</th>
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<tr>
<td>Western blot</td>
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<td>Immunoprecipitation</td>
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<td>Immunofluorescence</td>
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<td>Immunohistochemistry</td>
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**Recommended Assay Procedure:**

*Western blot:* Please refer to [http://www.bdbiosciences.com/pharmingen/protocols/Western_Blotting.shtml](http://www.bdbiosciences.com/pharmingen/protocols/Western_Blotting.shtml)

**Suggested Companion Products**

<table>
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<tr>
<td>611451</td>
<td>Jurkat Cell Lysate</td>
<td>500 µg</td>
<td>(none)</td>
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<tr>
<td>554002</td>
<td>HRP Goat Anti-Mouse Ig</td>
<td>1.0 ml</td>
<td>(none)</td>
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<tr>
<td>554001</td>
<td>FITC Goat Anti-Mouse Ig</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

**References**

He KL, Ting AT. A20 inhibits tumor necrosis factor (TNF) alpha-induced apoptosis by disrupting recruitment of TRADD and RIP to the TNF receptor 1 complex in Jurkat T cells. *Mol Cell Biol.* 2002; 22(17):6034-6045. (Biology: Western blot)


