

## Product datasheet for **CF803796**

### **MURF3 (TRIM54) Mouse Monoclonal Antibody [Clone ID: OTI5D9]**

#### **Product data:**

|                               |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Type:</b>          | Primary Antibodies                                                                                                                                                                                                                                                                                                                   |
| <b>Clone Name:</b>            | OTI5D9                                                                                                                                                                                                                                                                                                                               |
| <b>Applications:</b>          | WB                                                                                                                                                                                                                                                                                                                                   |
| <b>Recommended Dilution:</b>  | WB 1:2000                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity:</b>            | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                    |
| <b>Host:</b>                  | Mouse                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype:</b>               | IgG1                                                                                                                                                                                                                                                                                                                                 |
| <b>Clonality:</b>             | Monoclonal                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen:</b>             | Human recombinant protein fragment corresponding to amino acids 166-400 of human TRIM54 (NP_115935) produced in E.coli.                                                                                                                                                                                                              |
| <b>Formulation:</b>           | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| <b>Purification:</b>          | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)                                                                                                                                                                                                                            |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                         |
| <b>Storage:</b>               | Store at -20°C as received.                                                                                                                                                                                                                                                                                                          |
| <b>Stability:</b>             | Stable for 12 months from date of receipt.                                                                                                                                                                                                                                                                                           |
| <b>Gene Name:</b>             | tripartite motif containing 54                                                                                                                                                                                                                                                                                                       |
| <b>Database Link:</b>         | <a href="#">NP_115935</a><br><a href="#">Entrez Gene 57159 Human</a><br><a href="#">Q9BYV2</a>                                                                                                                                                                                                                                       |



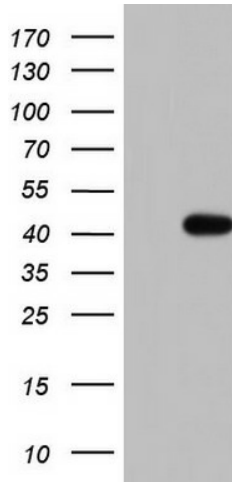
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**Background:**

The protein encoded by this gene contains a RING finger motif and is highly similar to the ring finger proteins RNF28/MURF1 and RNF29/MURF2. In vitro studies demonstrated that this protein, RNF28, and RNF29 form heterodimers, which may be important for the regulation of titin kinase and microtubule-dependent signal pathways in striated muscles. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

**Synonyms:**

MURF; MURF-3; muRF3; RNF30

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TRIM54 ([RC218075], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRIM54. Positive lysates [LY403171] (100ug) and [LC403171] (20ug) can be purchased separately from OriGene.