

## Product datasheet for **TA812777M**

### Xanthine Oxidase (XDH) Mouse Monoclonal Antibody [Clone ID: OT11C10]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OT11C10  |
| Applications:           | WB   |
| Recommended Dilution:   | WB 1:500   |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Mouse  |
| Isotype:                | IgG2b  |
| Clonality:              | Monoclonal   |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 1-280 of human XDH (NP_000370) produced in E.coli.   |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 1 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 146.2 kDa  |
| Gene Name:              | xanthine dehydrogenase   |
| Database Link:          | <a href="#">NP_000370</a><br><a href="#">Entrez Gene 22436 Mouse</a> <a href="#">Entrez Gene 497811 Rat</a> <a href="#">Entrez Gene 7498 Human</a><br><a href="#">P47989</a> |



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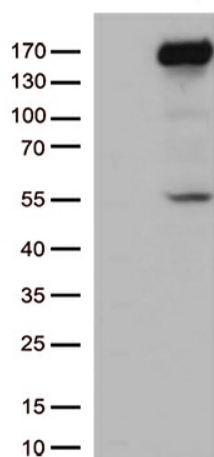
**Background:** Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Xanthine dehydrogenase can be converted to xanthine oxidase by reversible sulfhydryl oxidation or by irreversible proteolytic modification. Defects in xanthine dehydrogenase cause xanthinuria, may contribute to adult respiratory stress syndrome, and may potentiate influenza infection through an oxygen metabolite-dependent mechanism. [provided by RefSeq, Jan 2014]

**Synonyms:** XAN1; XO; XOR

**Protein Families:** Druggable Genome

**Protein Pathways:** Caffeine metabolism, Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY XDH (Cat# [RC219402], 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-XDH (Cat# [TA812777])(1:500). Positive lysates [LY400135] (100ug) and [LC400135] (20ug) can be purchased separately from OriGene.