

## Product datasheet for **CF505657**

### DDT Mouse Monoclonal Antibody [Clone ID: OT11F12]

#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                   |
| Clone Name:             | OT11F12                                                                                                                                                                                                                                                                                                                              |
| Applications:           | IHC, WB                                                                                                                                                                                                                                                                                                                              |
| Recommended Dilution:   | WB 1:500, IHC 1:150                                                                                                                                                                                                                                                                                                                  |
| Reactivity:             | Human                                                                                                                                                                                                                                                                                                                                |
| Host:                   | Mouse                                                                                                                                                                                                                                                                                                                                |
| Isotype:                | IgG1                                                                                                                                                                                                                                                                                                                                 |
| Clonality:              | Monoclonal                                                                                                                                                                                                                                                                                                                           |
| Immunogen:              | Full length human recombinant protein of human DDT(NP_001346) produced in HEK293T cell.                                                                                                                                                                                                                                              |
| Formulation:            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)                                                                                                                                                                                                                                                                    |
| Reconstitution Method:  | 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) |
| 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: | 12.5 kDa                                                                                                                                                                                                                                                                                                                             |
| Gene Name:              | D-dopachrome tautomerase                                                                                                                                                                                                                                                                                                             |
| Database Link:          | <a href="#">NP_001346</a><br><a href="#">Entrez Gene 1652 Human</a><br><a href="#">P30046</a>                                                                                                                                                                                                                                        |

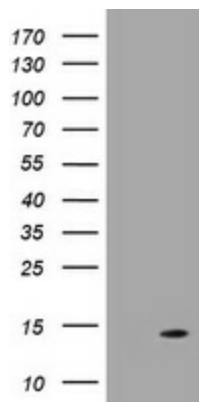


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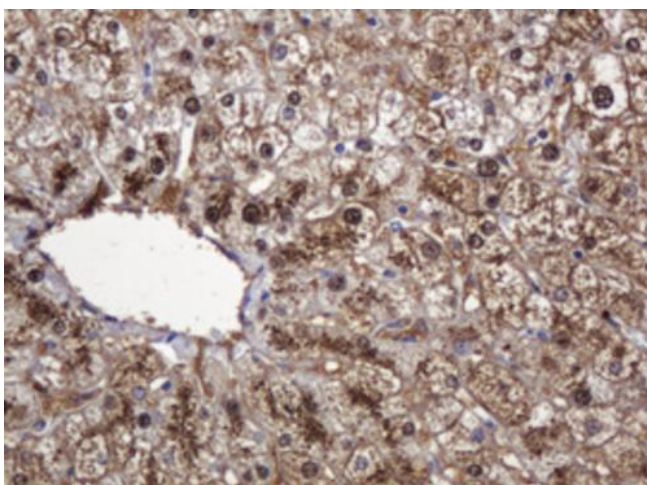
**Background:** D-dopachrome tautomerase converts D-dopachrome into 5,6-dihydroxyindole. The DDT gene is related to the migration inhibitory factor (MIF) in terms of sequence, enzyme activity, and gene structure. DDT and MIF are closely linked on chromosome 22. [provided by RefSeq, Jul 2008]

**Synonyms:** DDCT

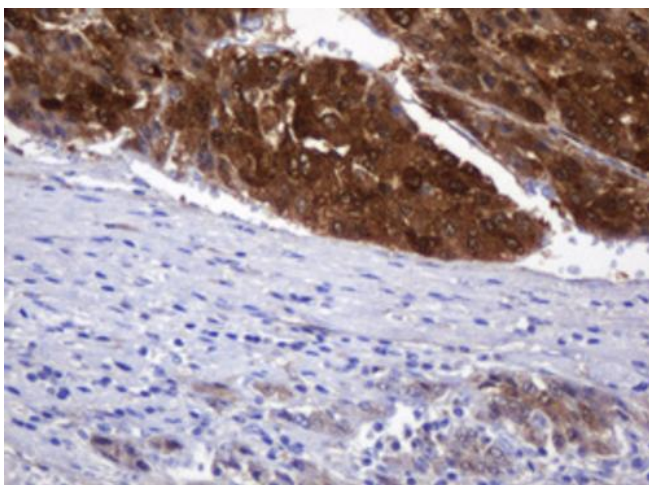
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DDT ([RC202047], 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-DDT. Positive lysates [LY419969] (100ug) and [LC419969] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DDT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-DDT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.