

**Product Id** TM-1801Z-55  
**Product Name** Anti-Dimethylated human Tumor Suppressor p53 IgG fraction (monoclonal)

Temperature -20°C  
 Unit 150µg  
 Availability Available  
 Category Proteins and Antibodies for Transcription Research  
 Subcategory Proteins and Antibodies  
 Description IgG fraction from mouse monoclonal antibody (clone 2D12/E8) obtained by immunization of mice with a KLH-conjugated synthetic peptide SHLKS [dimethyl-K]KGQST corresponding to aa367 – aa377 of human tumor suppressor p53. The IgG fraction was purified using Protein G-Sepharose.  
 Isotype IgG1  
 Purity N/A  
 Storage Store at -20°C.  
 Stability Stable for at least one year. Avoid repeated freezing and thawing  
 Biological Activity This antibody can be used in ELISA assays (1: 1,000 dilution). It recognizes dimethylated p53 (K372). p53 is a transcription factor that is mutated in approximately half of all human cancers. It controls the cell cycle, apoptosis and DNA repair in response to cytotoxic stresses. The C terminus of p53 is rich in lysines, which are subjected to different modifications to regulate p53 activity  
 Formulation Solution at 1.0 mg/mL in PBS  
 References Chuikov, S. et .al. (2004) Nature 432, 353 – 360 ; Hupp, T.R. et. al. (1992) Cell 71, 875 – 886 ; Malkin, D. et. al. (1990) Science 250, 1233 – 1238.

## UK &amp; Rest of World

184 Milton Park, Abingdon  
 OX14 4SE, Oxon, UK  
 Tel: +44 (0) 1235 828 200  
 Fax: +44 (0) 1235 820 482

## Switzerland

Centro Nord-Sud 2E  
 CH-6934 Bioggio-Lugano  
 Tel: +41 (0) 91 604 55 22  
 Fax: +41 (0) 91 605 17 85

## Deutschland

Bockenheimer Landstr. 17/19  
 60325 Frankfurt/Main  
 Tel: +49 (0) 69 779099  
 Fax: +49 (0) 69 13376880

## United States

23591 El Toro Rd, Suite #167  
 Lake Forest, CA 92630  
 Tel: + 1 800 987 0985  
 Fax: + 1 949 265 7703