TP53

Mouse Anti-Human p53 Clone B-P3 Biotin Detection mAb

Catalog No.	CDM437	**Quantity:**	100 µg
Alternate Names:	P53; BCC7; LFS1; TRP53		
Description:	Mouse Anti-Human p53 Clone B-P3 Biotin Detection mAb Background: Tumor protein p53 is a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons (PMIDs: 12032546, 20937277).		
Concentration:	0.1 mg / 1.0 ml		
Gene ID:	7157		
Conjugate:	Biotin		
Specificity:	Recognizes wild type and mutant p53, the epitope is within residues 18-30 of human p53		
Host:	Mouse		
Immunogen:	Recombinant p53 protein		
Isotype:	IgG2a		
Clone:	B-P3		
Hybridoma:	Myeloma X63/AG.8653 x Balb/c spleen cells		
Formulation:	Phosphate-buffered saline with 1% BSA and 0.09% Sodium Azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Ion exchange chromatography		
Applications:	ELISA Detection Antibody. This antibody can be used as a Detection Antibody in a human p53 sandwich Immunoassay to detect human p53 in combination with human p53 Capture Antibody (Cat No CDM413). The suggested coating concentration range below should be optimized by each laboratory for each application.		
Application Notes:	ELISA: 0.05-0.5 µg/ml		
Storage & Stability:	Store at 2-8°C for 12 months. For longer storage, freeze aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**		

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