

TP53

Mouse Anti-Human p53 Clone B-F34 Azide Free mAb

Catalog No. CDM091 **Quantity:** 200 µg

Alternate Names: BCC7, LFS1, P53, TRP53

Description: Mouse Anti-Human p53 Clone B-F34 Azide Free Capture mAb

Background: 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.

Concentration: 200 µg / 200 µl

Gene ID: 7157

Specificity: Recognizes wild type and mutant p53. The epitope is located within aa residues 18-30 of human p53.

Host: Mouse

Immunogen: Recombinant tumor protein p53

Isotype: IgG2bk

Clone: B-F34

Hybridoma: Myeloma X63/AG.8653 x BALB/c spleen cells

Formulation: Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free.

Purification: Ion exchange chromatography

Applications: ELISA

Application Notes: This antibody can be used as a Capture Antibody in a human p53 sandwich immunoassay to detect human p53 in combination with biotinylated human p53 Detection Antibody (Cat No CDM437).

Suggested concentration range: ELISA Capture Antibody: 1 - 5 µg/ml

The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Stable at 2-8°C for 12 months. For longer storage, freeze aliquots. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

