



Product Information Sheet

Monoclonal Anti-p53-Magnetic Bead Conjugate

Catalogue No. MA1078-M

Lot No. 08A12

Clone: IMD-53

Ig type: mouse IgG2a

Size: 200µl

Specificity

Human.

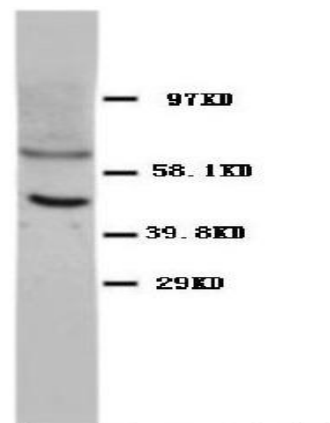
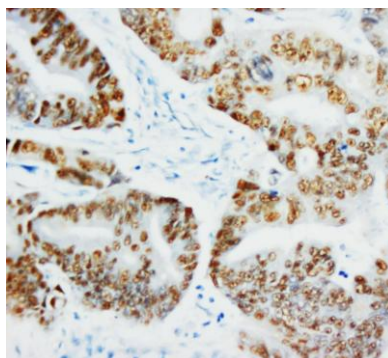
No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Storage

Store at 4°C for frequent use.



Immunogen

Recombinant human wild-type p53 protein.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

BACKGROUND

The p53 tumor antigen is found in increased amounts in a wide variety of transformed cells. The protein is also detectable in many actively proliferating, nontransformed cells, but it is undetectable or present at low levels in resting cells. This protein induces cell cycle arrest or apoptosis in response to sublethal or severe DNA damage, respectively, by differential transcription of target genes and through transcription-independent apoptotic functions. The p53 protein contains 393 amino acids. Human p53 tumour antigen is Located to band 17p13. p53 mutations are common in pancreatic cancer and are absent in chronic pancreatitis

REFERENCE

1. Isobe, M.; Emanuel, B. S.; Givol, D.; Oren, M.; Croce, C. M. : Localization of gene for human p53 tumour antigen to band 17p13. Nature 320: 84-85, 1986.
2. Casey, G.; Yamanaka, Y.; Freiss, H.; Kobrin, M. S.; Lopez, M. E.; Buchler, M.; Beger, H. G.; Korc, M. : p53 mutations are common in pancreatic cancer and are absent in chronic pancreatitis. Cancer Lett. 69: 151-160, 1993.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com