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Monoclonal Antibody to p53 (TP53) (20-25) - FITC

Alternate names: Cellular tumor antigen p53, NY-CO-13, Phosphoprotein p53, Tumor suppressor p53

Catalog No.: SM2137F

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Uniprot ID: P04637

NCBI: NP_000537.3

GeneID: 7157

Host / Isotype: Mouse / IgG2a

Clone: DO-1

Immunogen: Recombinant human p53. Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63Ag8.653 myeloma cell line.

Format:
State: Liquid purified IgG
Purification: Affinity chromatography on Protein G
Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin
Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications: Flow Cytometry: 1/2 - 1/10; Cell permeabilisation is required for this application.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises the p53 tumour suppressor protein, binding to both wild type and mutant forms. DO-1 recognises an epitope at the N-terminal end of p53 between amino acids 20-25.
Species: Human, Horse, Bovine, Cat, Sheep.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.

General References:
1. Vojtesek, B. et al. (1992) An immunohistochemical analysis of the human nuclear phosphoprotein p53. New monoclonal antibodies and epitope mapping using recombinant p53. J. Immunol. Methods 151: 237 - 244.
2. Sironi, G. et al. (1999) p53 protein expression in conjunctival squamous cell carcinomas of domestic animals. Vet. Ophthalmol. 2: 227 - 231.