PERFORMANCE DATA SHEET
2020

Monoclonal anti-human p53(mutant)

mAb name/Clone: **PAb240**
Isotype: Mouse IgG1κ
Immunogen: Murine p53 expressed in E. coli

CATALOG#: 227-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human p53 is a tumor suppressor protein which is mutated in many cancers. p53 expression has been linked to apoptosis caused by DNA-damaging agents and may have a role in cell-mediated cytotoxicity. Antibody PAb240 recognizes mutant p53 epitope 156-214 in cells and denatured wild type p53 in Western Blots.
References: J.V. Gannon, et al, (1990) EMBO J **9**: 1595-1602. C.C. Harris and M. Hollstein (1993) New Engl J Med **329**: 1318-1327. H. Selter & M. Montenarch (1994) Int J Biochem **26**: 145-154. Mahdi, et al, (1995) Biol Cell **84**: 175-185. M.L. Smith and A.J. Fornace, Jr (1996) Am J Pathol **148**: 1019-1022.

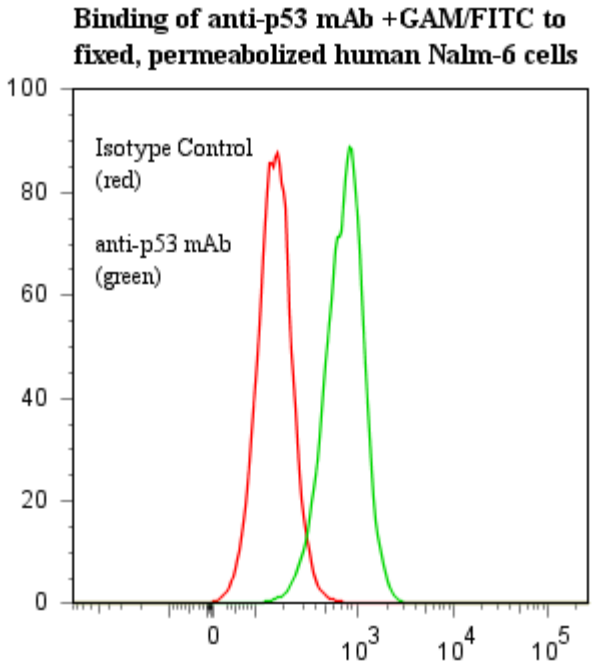
STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Cultured **Nalm-6** human tumor cells were fixed with 2% buffered formaldehyde after which they were washed two times. Subsequent reagent incubations and wash steps were done using a buffer containing **0.5% Tween-20** to permeabolize cells. Five x 10^5 cells per tube were incubated 45 minutes on ice with 80 µl of anti-p53 antibody at **5 µg/ml**. Cells were washed twice and incubated with 2^{o} reagent Goat anti-Mouse IgG/FITC (Catalog #232-011) after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.7** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).



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