

Product Data Sheet

□ Cat # RP-341

Recombinant Anti-p53 scFv IgG

Size: □ 10 ug

Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains. It is postulated to bind as a tetramer to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of the TP53 gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome.

p53 or TP53 is a cell cycle related transcription factor that promotes transcription of genes that induce cell cycle arrest or apoptosis in response to DNA damage or other cell stresses. This tumor suppressor gene is mutated in about half of all human cancers.

Synonyms: LFS1, TRP53, TP53, p53.

**Form and Storage**

Recombinant Anti p53 produced in E.Coli (>95% pure, ~37 Kda, His-tag). It is supplied in 10 mM Tris, pH 8, 100 mM NaCl and 50% glycerol (or see lot sp. conc on the vial). Store at -20oC or below. Stable for at least 6-months.

This item is for LABORATORY RESEARCH USE ONLY.

**Related Items**

Catalog#	ProdDescription
MA-20247	Mouse Monoclonal Antibody to Mdm4 p53 binding protein homolog (MDM4)
MA-20338	Mouse Monoclonal Antibody to p53
MA-30005	Mouse Monoclonal Anti-Human P53 induced RING-H2 protein (Pirh2).
P5311-C	Recombinant (E. coli, >95%) purified human p53 (wild type) protein control for WB
P5311-M	Mouse Monoclonal Anti-Human P53 IgG , aff pure
P5312-M	Mouse Monoclonal Anti-Mouse P53 IgG # 2 , aff pure
P5315-R-10	Recombinant (E. coli, >95%) purified human p53 (wild type) protein control for ELISA
P5316-R-20	Recombinant (E. coli, GST-p53, >95%) purified human p53 (wild type) protein control for ELISA
P53A320-P	Human acetylated p53 (K-320) Control/blocking peptide
P53A320-S	Anti-human acetylated p53 (K-320) antiserum # 3
P53A373-P	Human acetylated p53 (K-320) Control/blocking peptide
P53A373-S	Anti-human acetylated p53 (K-373) antiserum # 4
P53S392-M	Monoclonal Anti-Human p53 (S392) phospho-specific, aff pure
PUMA11-A	anti-Human PUMA-alpha (p53-upregulated modulator of apoptosis) IgG #1, aff pure
PUMA11-P	Human PUMA-alpha (p53-upregulated modulator of apoptosis) control peptide #1
PUMA11-S	Anti-Human PUMA-alpha (p53-upregulated modulator of apoptosis) antiserum #1
PUMA12-A	anti-Human PUMA-alpha (p53-upregulated modulator of apoptosis) IgG #1, aff pure
PUMA12-P	Human PUMA-alpha (p53-upregulated modulator of apoptosis) control peptide #1
PUMA12-S	Anti-Human PUMA-alpha (p53-upregulated modulator of apoptosis) antiserum #1
RP-341	Recombinant Anti-p53 scFv IgG
RP-769	Recombinant Human p53 Mutant
RP-770	Recombinant Human p53

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