

Product datasheet for **AM50175PU-S**

TTF1 (NKX2-1) Mouse Monoclonal Antibody [Clone ID: SPM150]

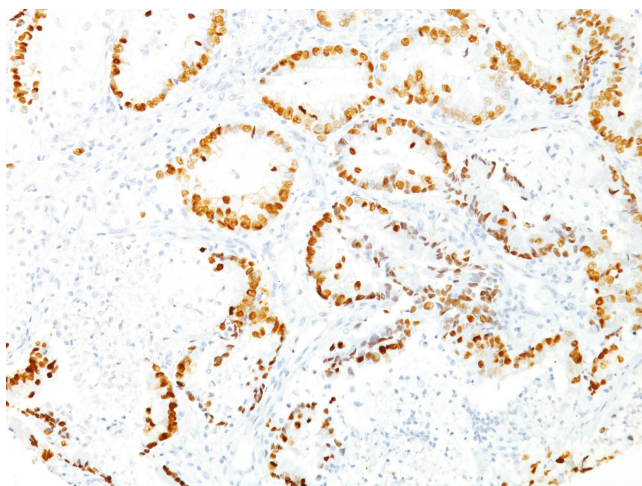
Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM150
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Sections: 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: MAD109, MLE-15, H441-4, or H345 cells. Normal thyroid or lung.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat full length TTF-1 recombinant protein.
Specificity:	Recognizes a protein of 40kDa, identified as Thyroid transcription factor-1 (TTF-1). TTF-1 is a member of the NKx2 family of homeodomain transcription factors. It is expressed in epithelial cells of the thyroid gland and the lung. Nuclei from liver, stomach, pancreas, small intestine, colon, kidney, breast, skin, testes, pituitary, prostate, and adrenal glands are unreactive. Anti-TTF-1 is useful in differentiating primary adenocarcinoma of the lung from metastatic carcinomas originating in the breast, mediastinal germ cell tumors, and malignant mesothelioma. It can also be used to differentiate small cell lung carcinoma from lymphoid infiltrates. Loss of TTF-1 expression in non-small cell lung carcinoma has been associated with aggressive behavior of such neoplasms. TTF-1 reactivity is also seen in thyroid malignancies. Cellular Localization: Nuclear.

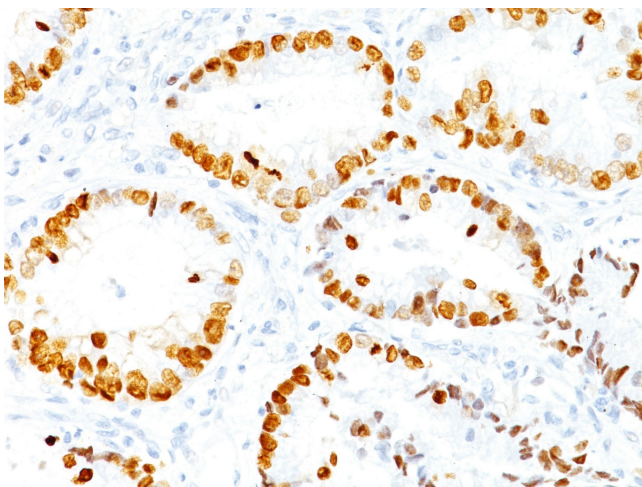


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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	40 kDa
Gene Name:	NK2 homeobox 1
Database Link:	Entrez Gene 7080 Human P43699
Synonyms:	NKX2-1, Nkx-2.1, TITF1, Thyroid nuclear factor 1, Thyroid transcription factor 1, TTF-1

Product images:

Formalin-Paraffin lung adenocarcinoma (10X) stained with TTF-1 Antibody (Clone SPM150).



Formalin-Paraffin lung adenocarcinoma (20X)
stained with TTF-1 Antibody (Clone SPM150).