

# Product datasheet

## anti-TTF-1 mouse monoclonal, 8G7G3/1, supernatant

### Short overview

<b>Cat. No.</b>	16108
<b>Quantity</b>	1 ml

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	8G7G3/1
<b>Immunogen</b>	Rat TTF-1 recombinant protein
<b>Formulation</b>	Contains 0.09 % sodium azide
<b>UniprotID</b>	P43699 (Human),Q62187 (Mouse),P23441 (Rat)
<b>Synonym</b>	Homeobox protein Nkx-2.1, Homeobox protein NK-2 homolog A, Thyroid nuclear factor 1, Thyroid transcription factor 1, TTF-1, Thyroid-specific enhancer-binding protein, T/EBP, NKX2-1, NKX2A, TITF1, TTF1
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Hybridoma cell culture supernatant
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC, WB
<b>Reactivity</b>	Human, Mouse, Rat

### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:10-1:20
<b>Immunohistochemistry (IHC) - paraffin</b>	1:10-1:20 (microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

### Background

The antibody recognizes a 40 kDa protein (e.g. in nuclear extracts of human H345 cells), identified as thyroid transcription factor 1 (TTF-1), selectively expressed in the lung, thyroid and diencephalon. The antigen has been localized in the nucleus.

Tumors specifically detected: the antibody is useful in the classification of thyroid and lung tumors.

Positive control: normal thyroid or lung.

## Product images



anti-TTF-1 mouse monoclonal, 8G7G3/1, supernatant

## References

Publication	Species	Application
<a href="#">Furukawa, S., Nagaïke, M. &amp; Ozaki, K. Databases for technical aspects of immunohistochemistry. J. Toxicol. Pathol. 30, 79-107 (2017).</a>	rat	IHC (paraffin)
<a href="#">Miyoshi, G. et al. Prox1 Regulates the Subtype-Specific Development of Caudal Ganglionic Eminence-Derived GABAergic Cortical Interneurons. J. Neurosci. 35, 12869-12889 (2015).</a>	mouse	IHC (frozen)
<a href="#">Holzinger, A. et al. Monoclonal antibody to thyroid transcription factor-1: production, characterization, and usefulness in tumor diagnosis. Hybridoma 15, 49-53 (1996).</a>	human,mouse	WB,IHC (paraffin)