

## Monoclonal Mouse Antibody to Thyroid Peroxidase

<b>Catalog No.:</b>	Mob 418, Mob 418-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
<b>Immunogen:</b>	Human Thyroid Peroxidase (hTPO) purified from thyroid microsomes by immunoaffinity chromatography.
<b>Clone:</b>	MoAb47
<b>Isotype:</b>	IgG1
<b>Format:</b>	This antibody is supplied as tissue culture supernatant containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:10-1:25 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30-60 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>High temperature treatment of formalin-fixed tissue sections with 1mM EDTA buffer, pH 9.0 must be performed prior to the immunostaining.</u>
<b>Specificity:</b>	Thyroid Peroxidase (TPO) is a transmembrane protein of 107 kD containing a heme prosthetic group and it is present as dimmer on the apical surface of the thyroid follicular cells. TPO is the primary enzyme involved in thyroid hormone synthesis. Malignant thyroid tumors exhibit an anomaly in TPO resulting in lower affinity for anti-TPO. This antibody may be useful aid in the differentiation between benign and malignant thyroid tumors.
<b>Positive Control:</b>	Thyroid
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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