

## 12-8318: Anti-Human Thyroid Stimulating Hormone Alpha-HRP

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	176
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	HCG, GPHa, GPHA1, CGA, Thyrotropin
<b>Isotype :</b>	IgG
<b>Immunogen Information :</b>	Purified Recombinant Human TSH-? (>98%)

### Description

Specificity: Mouse Anti-Human Thyroid Stimulating Hormone Alpha (TSH-?) (Clone 176) recognizes Human Thyroid Stimulating Hormone Alpha. This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Background: Thyroid-stimulating hormone (TSH), also known as thyrotropin, is a glycoprotein hormone<sup>1</sup> that regulates the endocrine function of the thyroid gland.<sup>2</sup> The most important controller of TSH secretion is thyroid-releasing hormone. Thyroid-releasing hormone is secreted by hypothalamic neurons into hypothalamic-hypophyseal portal blood, finds its receptors on thyrotrophs in the anterior pituitary and stimulates secretion of TSH.<sup>1</sup> Independent of age, thyroid cancer incidence correlates with higher TSH. Higher TSH is associated with extrathyroidal extension of disease.<sup>3</sup>

### Product Info

<b>Amount :</b>	1.0 ml Concentration: 0.5 mg/ml
<b>Content :</b>	Formulation: This horseradish peroxidase conjugate is supplied in a specially formulated stabilization diluent.
<b>Storage condition :</b>	Stable for at least one year when stored at 2°C - 8°C. Do not freeze.