

# Histamine rabbit pAb – IS1039

Ref: IS1039-sp

Histamine is a widely present natural amino acid known to be involved in different systems including in the control of central nervous and immune functions. The anti-histamine antibody IS1039 is a rabbit polyclonal antibody developed to detect Histamine in various types of samples including whole mounts, cell culture and tissue sections. Importantly, samples must be prepared according to the [STAINperfect immunostaining kit A](#) and following the recommended procedure.

Clonality	Polyclonal antibody
Host	Rabbit
Reactivity	Reacts with all species
Tested samples	Whole mounts, cell culture, tissue sections
Staining procedure	<a href="#">STAINperfect immunostaining kit A</a>
Format	50µl (approx. 40 tissue sections)

## INFORMATIONS

---

### Product overview

---

<b>Product name</b>	Histamine antibody – Rabbit pAb
<b>Synonyms</b>	Anti-Histamine antibody Anti-2-(4-Imidazolyl)ethylamine antibody
<b>Immunogen</b>	Conjugated Histamine
<b>Specificity</b>	When tested in competitive ELISA, the anti-conjugated Histamine antibody did not show any significant cross reactivity with Histidine conjugate
<b>Volume</b>	50µL

### Storage

---

<b>Form</b>	Liquid
<b>Purity</b>	Purified anti-serum
<b>Storage</b>	Store at +4°C for short term (1-2 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
<b>Material safety datasheet</b>	<a href="#">Download MSDS</a>

# PROTOCOLS

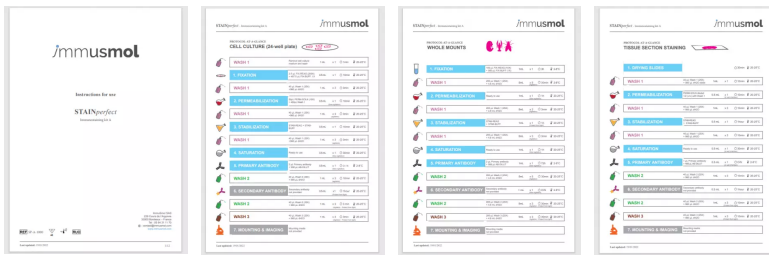
**IF - Cell cultures, Whole mounts, Tissue sections** Dilute antibody with the antibody diluent provided in the [STAINperfect immunostaining kit A](#). Use at 1/250 -1/1000 dilution. Follow the STAINperfect protocol suited to your sample

**Comments** Optimal working dilutions must be determined by the end-user

**Restrictions** For research use only

**Full protocol** [Download STAINperfect protocol for histamine staining](#)

## Protocols-at-a-glance



[Complete Instructions for Use](#)

[Protocol-at-a-glance for cell cultures](#)

[Protocol-at-a-glance for whole mounts](#)

[Protocol-at-a-glance for tissue sections](#)

## REFERENCES

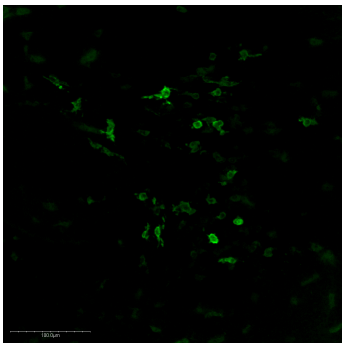
---

### Product citation

- Laurino et al. [Brain Histamine Modulates the Antidepressant-Like Effect of the 3-Iodothyroacetic Acid \(TA1\)](#). *Front Cell Neurosci*. 2019 May 8;13:176. doi: 10.3389/fncel.2019.00176.
- Apolloni A. et al. [Histamine Regulates the Inflammatory Profile of SOD1-G93A Microglia and the Histaminergic System Is Dysregulated in Amyotrophic Lateral Sclerosis](#). *Front Immunol*. 2017 Nov 30;8:1689. doi: 10.3389/fimmu.2017.01689
- Simons FE et al. Histamine and H1-antihistamines: celebrating a century of progress, [J Allergy Clin Immunol](#). 2011 Dec;128(6):1139-1150.e4. doi: 10.1016/j.jaci.2011.09.005

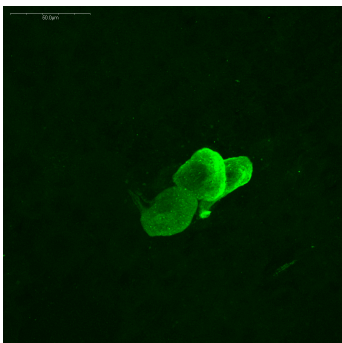
## Product pictures

---



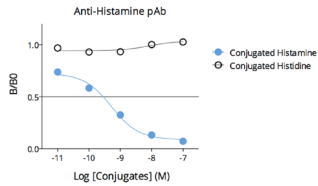
### Immunofluorescence imaging of Histamine in mouse midbrain

Histamine was detected into whole mount mouse midbrain using STAINperfect immunostaining kit A. Staining was obtained following the protocol for whole mounts samples preparation combined with our IS1039 rabbit polyclonal anti-histamine antibody. After incubation with a fluorescent labeled secondary antibody, confocal imaging was performed for picture acquisition.



### Histamine detection into crayfish CNS

Using STAINperfect immunostaining kit A, Histamine was detected into the CNS of a crayfish. Staining was obtained following the protocol for whole mounts samples with IS1039 rabbit polyclonal anti-histamine antibody. Fluorescent labeled secondary antibody was used and picture was acquired by confocal imaging.



### Affinity & specificity of anti-Histamine antibody

Competitive ELISA demonstrates that low amount of Histamine conjugate is required to displace antigen-antibody reaction (high affinity), while rising concentrations of Histidine (Histamine competitor) do not affect reaction (high specificity).

---

## Contact information

Immusmol  
229 Cours de l'Argonne  
33 000 Bordeaux - France  
Tel: +33 (0) 5 6431 1170  
[www.immusmol.com](http://www.immusmol.com)

**To order, review, ask for technical support, visit product page at:**

<https://www.immusmol.com/shop/histamine-polyclonal-antibody-bundle/>