

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	STAINperfect immunostaining kit A
Format	50µl (approx. 40 tissue sections)

INFORMATIONS

Product overview

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

Storage

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

PROTOCOLS

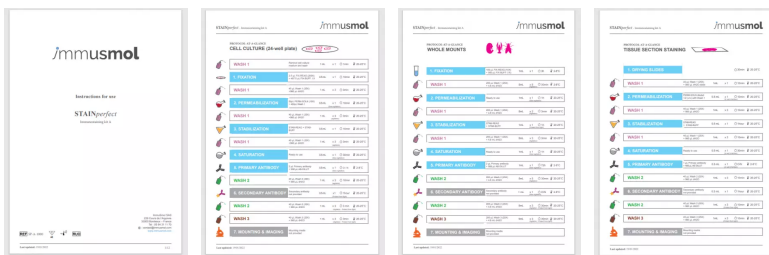
IF - Cell cultures, Whole mounts, Tissue sections Dilute antibody with the antibody diluent provided in the [STAINperfect immunostaining kit A](#). Use at 1/250 -1/1000 dilution. Follow the STAINperfect protocol suited to your sample

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](#)

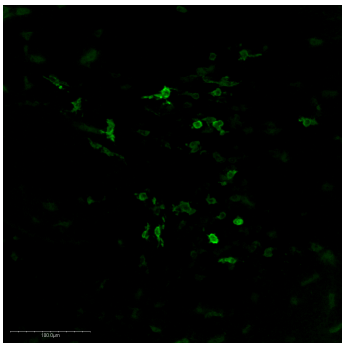
[Protocol-at-a-glance for tissue sections](#)

REFERENCES

Product citation

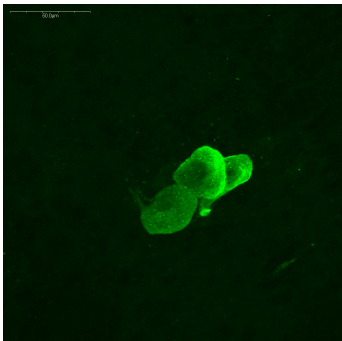
- Laurino et al. [Brain Histamine Modulates the Antidepressant-Like Effect of the 3-Iodothyroacetic Acid \(TA1\)](#). *Front Cell Neurosci.* 2019 May 8;13:176. doi: 10.3389/fncel.2019.00176.
- Apolloni A. et al. [Histamine Regulates the Inflammatory Profile of SOD1-G93A Microglia and the Histaminergic 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



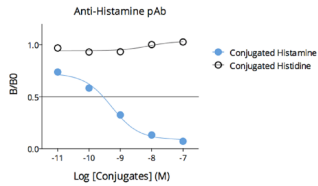
Immunofluorescence imaging of Histamine in mouse midbrain

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

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

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