

# L-Arginine Antibody – Rabbit Polyclonal

Ref: IS1055

Validated by direct and competitive ELISA, this rabbit polyclonal antibody recognizes L-Arginine at 1/10 000 working dilution, while displaying no significant cross-reactivity with competitors such as L-Ornithine, L-Glutamate and L-Homoarginine. Our team is currently working on the IF/ICC/IHC protocol for optimal staining in combination with the [STAINperfect immunostaining kit A](#).

<b>Clonality</b>	Polyclonal
<b>Host</b>	Rabbit
<b>Reactivity</b>	Reacts with all species
<b>Validated by</b>	ELISA
<b>Staining procedure</b>	<a href="#">STAINperfect immunostaining kit A</a>
<b>Format</b>	50µL

# INFORMATIONS

## Product overview

<b>Product name</b>	L-Arginine – Rabbit pAb
<b>Synonyms</b>	Anti-L-alpha-amino-delta-guanidinovaleric acid antibody Anti-1-Amino-4-guanidovaleric acid antibody Anti-Levargin antibody
<b>Immunogen</b>	Conjugated L-Arginine
<b>Specificity</b>	When tested in competitive ELISA, the anti-conjugated L-Homoarginine antibody did not show any significant cross reactivity with L-Arginine competitors, L-Ornithine, L-Glutamate and L-Homoarginine

## Storage

<b>Form</b>	Liquid
<b>Purity</b>	Purified antiserum
<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


Optimization of staining protocol ongoing

**Standard STAINperfect procedure** 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](#)



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Instructions for use

STAINperfect

Immunostaining kit A

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STAINperfect Immunostaining kit A

PROTOCOL AT A GLANCE

CELL CULTURE (24-well plate)

WASH 1

1. FIXATION

WASH 1

2. PERMEABILIZATION

WASH 1

3. STABILIZATION

WASH 1

4. SATURATION

5. PRIMARY ANTIBODY

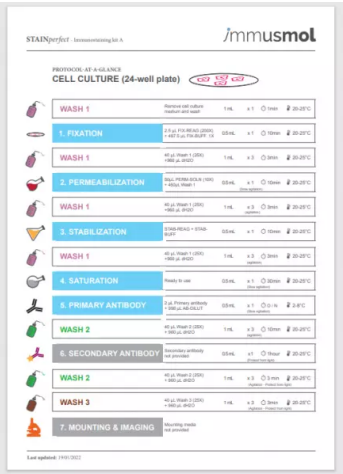
WASH 2

6. SECONDARY ANTIBODY

WASH 2

WASH 3

7. MOUNTING & IMAGING



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STAINperfect Immunostaining kit A

PROTOCOL AT A GLANCE

CELL CULTURE (24-well plate)

WASH 1

1. FIXATION

WASH 1

2. PERMEABILIZATION

WASH 1

3. STABILIZATION

WASH 1

4. SATURATION

5. PRIMARY ANTIBODY

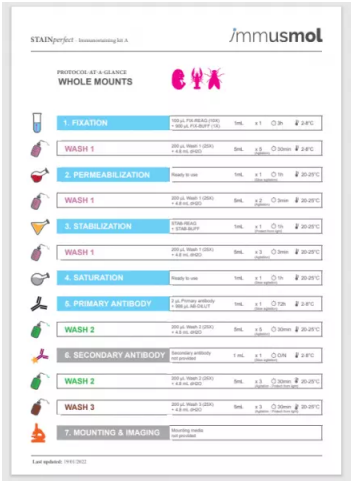
WASH 2

6. SECONDARY ANTIBODY

WASH 2

WASH 3

7. MOUNTING & IMAGING



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STAINperfect Immunostaining kit A

PROTOCOL AT A GLANCE

WHOLE MOUNTS

1. FIXATION

WASH 1

2. PERMEABILIZATION

WASH 1

3. STABILIZATION

WASH 1

4. SATURATION

5. PRIMARY ANTIBODY

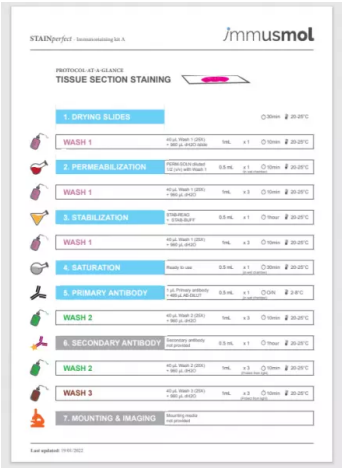
WASH 2

6. SECONDARY ANTIBODY

WASH 2

WASH 3

7. MOUNTING & IMAGING



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STAINperfect Immunostaining kit A

PROTOCOL AT A GLANCE

TISSUE SECTION STAINING

1. DRYING SLIDES

WASH 1

2. PERMEABILIZATION

WASH 1

3. STABILIZATION

WASH 1

4. SATURATION

5. PRIMARY ANTIBODY

WASH 2

6. SECONDARY ANTIBODY

WASH 2

WASH 3

7. MOUNTING & IMAGING

[Complete Instructions for Use](#)

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

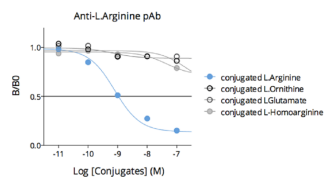
[Protocol-at-a-glance for whole mounts](#)

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

REFERENCES

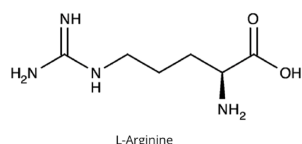
Antibody not yet cited.

Product pictures



### Affinity & specificity of anti-Arginine antibody

Competitive ELISA demonstrates that low amounts of L-Arginine conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of L-Ornithine, L-Glutamate and L-Homoarginine (L-Arginine competitors) do not affect reaction (high specificity).



**L-Arginine**

L-Arginine

## Contact information

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[www.immusmol.com](http://www.immusmol.com)

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

<https://www.immusmol.com/shop/l-arginine-pab/>