

L-Asparagine Antibody – Rabbit Polyclonal

Ref: IS1056

Validated by direct and competitive ELISA, this rabbit polyclonal antibody recognizes L-Asparagine at 1/10 000 working dilution, while displaying no significant cross-reactivity with competitors such as L-Glutamine and L-Aspartate. Combined with the [STAINperfect immunostaining kit A](#), this antibody could allow direct L-Asparagine imaging in various types of samples (cell cultures, tissue sections, whole mounts).

| | |
|---------------------------|---|
| Clonality | Polyclonal |
| Host | Rabbit |
| Reactivity | Reacts with all species |
| Validated by | ELISA |
| Staining procedure | STAINperfect immunostaining kit A |
| Format | 50µl |

INFORMATIONS

Product overview

| | |
|---------------------|---|
| Product name | L-Asparagine – Rabbit pAb |
| Synonyms | Anti-L-Asparagine antibody Anti-(S)-asparagine antibody Anti-Aspartamic acid antibody Anti-L-2,4-diamino-4-oxobutanoic acid antibody |
| Immunogen | Conjugated L-Asparagine |
| Specificity | When tested in competitive ELISA, the anti-conjugated L-Asparagine antibody did not show any significant cross reactivity with L-Ornithine competitors: L-Glutamine and L-Aspartate |

Storage

| | |
|----------------------------------|--|
| Form | Liquid |
| Purity | Purified anti-serum |
| Storage | Store at 4°C |
| Storage buffer | 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](#)



STAINperfect Immunostaining Kit A

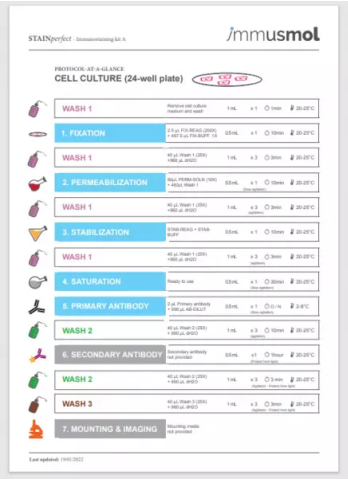
Instructions for use

STAINperfect
Immunostaining Kit A

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STAINperfect Immunostaining Kit A

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PROTOCOL AT-A-GLANCE
CELL CULTURE (24-well plate)

1. FIXATION

2. WASH 1

3. PERMEABILIZATION

4. WASH 1

5. STABILIZATION

6. SATURATION

7. PRIMARY ANTIBODY

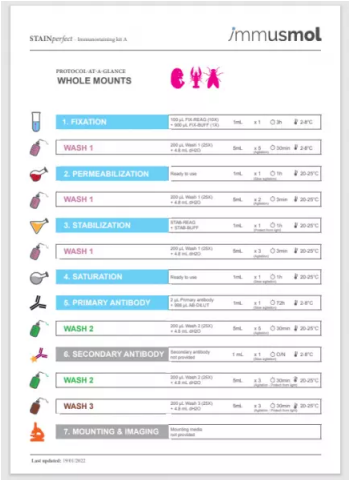
8. WASH 2

9. SECONDARY ANTIBODY

10. WASH 2

11. WASH 3

12. MOUNTING & IMAGING



STAINperfect Immunostaining Kit A

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PROTOCOL AT-A-GLANCE
WHOLE MOUNTS

1. FIXATION

2. WASH 1

3. PERMEABILIZATION

4. WASH 1

5. STABILIZATION

6. SATURATION

7. PRIMARY ANTIBODY

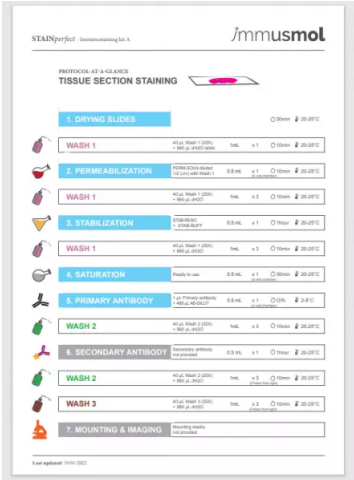
8. WASH 2

9. SECONDARY ANTIBODY

10. WASH 2

11. WASH 3

12. MOUNTING & IMAGING



STAINperfect Immunostaining Kit A

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PROTOCOL AT-A-GLANCE
TISSUE SECTION STAINING

1. DRYING SLIDES

2. WASH 1

3. PERMEABILIZATION

4. WASH 1

5. STABILIZATION

6. SATURATION

7. PRIMARY ANTIBODY

8. WASH 2

9. SECONDARY ANTIBODY

10. WASH 2

11. WASH 3

12. MOUNTING & IMAGING

[Complete Instructions for Use](#)

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

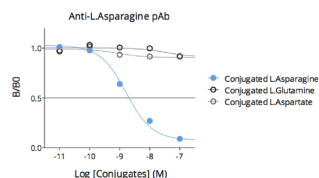
[Protocol-at-a-glance for whole mounts](#)

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

REFERENCES

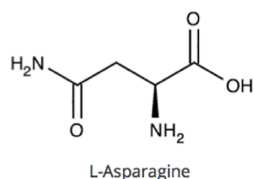
Antibody not yet cited.

Product pictures



Affinity & specificity of anti- L-Asparagine antibody

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



L-Asparagine

L-Asparagine

Contact information

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

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