

L-Phenylalanine Antibody – Rabbit Polyclonal

Ref: IS1038

The anti-L-Phenylalanine antibody IS1038 is a rabbit polyclonal antibody developed to be highly affine and specific. Combined with the [STAINperfect immunostaining kit A](#), this antibody was validated for IF in mouse brain tissues.

Clonality	Polyclonal antibody
Host	Rabbit
Reactivity	Reacts with all species
Tested samples	Whole mounts, tissue sections & ELISA
Staining procedure	STAINperfect immunostaining kit A
Format	50µL (approx. 40 tissue sections)

INFORMATIONS

Product overview

Product name	L-Phenylalanine antibody
Synonyms	Anti-L-Phenylalanine polyclonal antibody (S)-2-Amino-3-phenyl propionic acid polyclonal antibody
Immunogen	Conjugated L-Phenylalanine
Specificity	When tested in competitive ELISA, the anti-conjugated L-Phenylalanine antibody do not show significant cross-reactivity with several competitors including L-Tyrosine and L-DOPA conjugates

Storage

Form	Liquid
Purity	Purified anti-serum
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

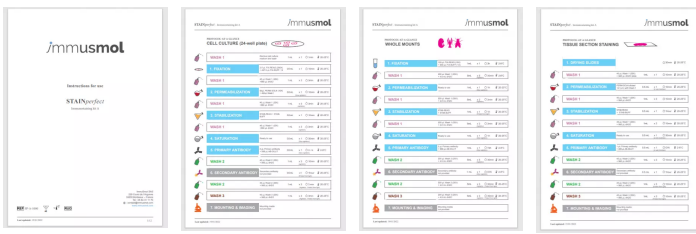
Restrictions

For research use only

Full protocol

[Download STAINperfect protocol for L.Phenyl-Alanine staining](#)

Protocols-at-a-glance



[Complete Instructions for Use](#)

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

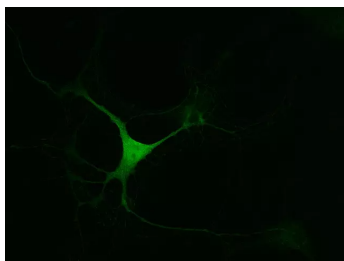
[Protocol-at-a-glance for whole mounts](#)

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

REFERENCES

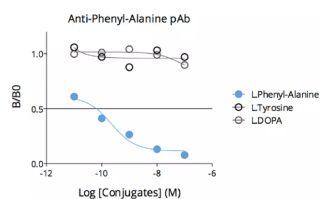
Antibody not yet cited. Submit an article and [get a 10% discount](#).

Product pictures



Phenyl-L.Alanine imaging in mouse embryonic midbrain neurons (E13.5)

Using STAINperfect immunostaining kit A, Phenyl-L.Alanine (green) was detected within mouse embryonic midbrain neurons (E13.5) following the protocol optimized for whole mount samples. Stainings were performed using Immusmol rabbit anti-Phenyl-L.Alanine polyclonal Ab (IS1038). Fluorescent conjugated antibodies were used and images acquired by confocal imaging.



Affinity & specificity of anti-L-Phenylalanine antibody

Competitive ELISA demonstrates that low amounts of L-Phenyl-Alanine conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of L-Phenyl-Alanine competitors L-Tyrosine or L-DOPA 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/l-phenyl-alanine-rabbit-pab/>