

# Product Datasheet

## ALAS2 Antibody (6C1) - Azide and BSA Free H00000212-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00000212-M01](http://www.novusbio.com/H00000212-M01)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00000212-M01](http://www.novusbio.com/reviews/destination/H00000212-M01)



**H00000212-M01**

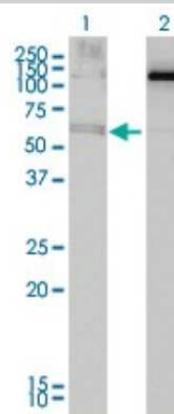
ALAS2 Antibody (6C1) - Azide and BSA Free

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 mg  |
| <b>Concentration</b>               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.  |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | 6C1   |
| <b>Preservative</b>                | No Preservative   |
| <b>Isotype</b>                     | IgG2a Kappa   |
| <b>Purity</b>                      | IgG purified  |
| <b>Buffer</b>                      | In 1x PBS, pH 7.4   |
| <b>Product Description</b>         |   |
| <b>Description</b>                 | Quality control test: Antibody Reactive Against Recombinant Protein.  |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 212   |
| <b>Gene Symbol</b>                 | ALAS2   |
| <b>Species</b>                     | Human, Mouse  |
| <b>Reactivity Notes</b>            | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information. |
| <b>Specificity/Sensitivity</b>     | ALAS2 - aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)  |
| <b>Immunogen</b>                   | ALAS2 (NP_000023, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MVTAAAMLLQCCPVLARGPTSLGKVVKTHQFLFGIGRCPILATQGPNC SQIHLK<br>ATKAGGDSPSWAKGHCPFMLELQDGKSKIVQKAAPEVQEDVKAFK            |
| <b>Notes</b>                       | This product is produced by and distributed for Abnova, a company based in Taiwan.  |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Western Blot, ELISA   |
| <b>Recommended Dilutions</b>       | Western Blot 1:500, ELISA   |
| <b>Application Notes</b>           | Antibody reactivity against cell lysate, transfected lysate and recombinant protein for WB. It has been used for ELISA.   |

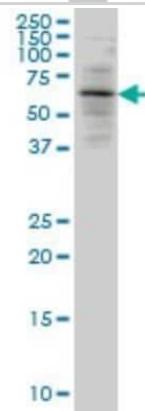


## Images

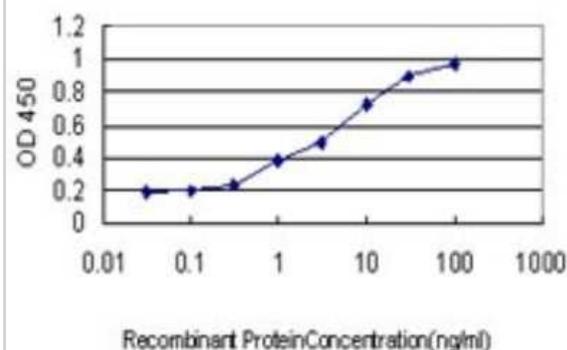
Western Blot: ALAS2 Antibody (6C1) [H00000212-M01] - Analysis of ALAS2 expression in transfected 293T cell line by ALAS2 monoclonal antibody (M01), clone 6C1. Lane 1: ALAS2 transfected lysate(64 KDa). Lane 2: Non-transfected lysate.



Western Blot: ALAS2 Antibody (6C1) [H00000212-M01] - ALAS2 monoclonal antibody (M01), clone 6C1. Analysis of ALAS2 expression in Raw 264.7.



ELISA: ALAS2 Antibody (6C1) [H00000212-M01] - Detection limit for recombinant GST tagged ALAS2 is approximately 0.1ng/ml as a capture antibody.



## Publications

Paul B, Tesfay L, Winkler C et al. Sideroflexin 4 affects Fe-S cluster biogenesis, iron metabolism, mitochondrial respiration and heme biosynthetic enzymes. *Sci Rep.* 2019-12-23 [PMID: 31873120]

Sommer N, Theine FF, Pak O et al. Mitochondrial Respiration in Peripheral Blood Mononuclear Cells Negatively Correlates with Disease Severity in Pulmonary Arterial Hypertension *Journal of clinical medicine* 2022-07-16 [PMID: 35887896]

Zhang FL, Shen GM, Liu XL et al. Hypoxic Induction of Human Erythroid-Specific Delta-Aminolevulinate Synthase Mediated by Hypoxia-Inducible Factor 1. *Biochemistry.* 2011-01-20 [PMID: 21207956]

Ma YN, Chen MT, Wu ZK et al. Emodin can induce K562 cells to erythroid differentiation and improve the expression of globin genes. *Mol Cell Biochem.* 2013-10-01 [PMID: 23744534] (WB, Human)



### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to H0000212-M01

---

|                   |   |
|-------------------|---|
| HAF007            | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B           | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg  | Mouse IgG2a Kappa Isotype Control (M2AK)                |
| H0000212-Q01-10ug | Recombinant Human ALAS2 GST (N-Term) Protein            |

---

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H0000212-M01](http://www.novusbio.com/reviews/submit/H0000212-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

