

# Product Datasheet

## Hemoglobin beta Antibody (7B12) - Azide and BSA Free H00003043-M02

Unit Size: 0.1 mg

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

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



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### Publications: 3

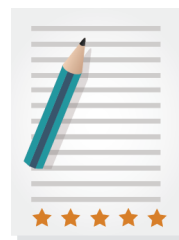
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Updated 2/21/2025 v.20.1

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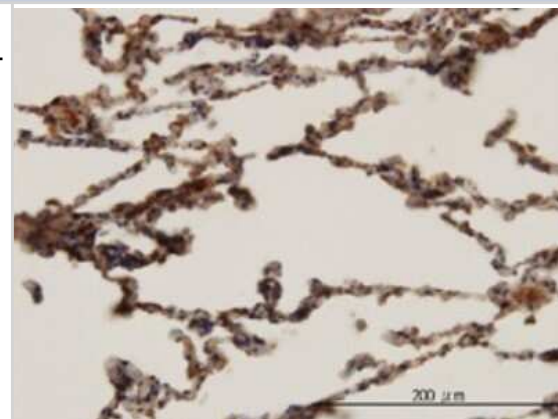
**H00003043-M02**

Hemoglobin beta Antibody (7B12) - Azide and BSA Free

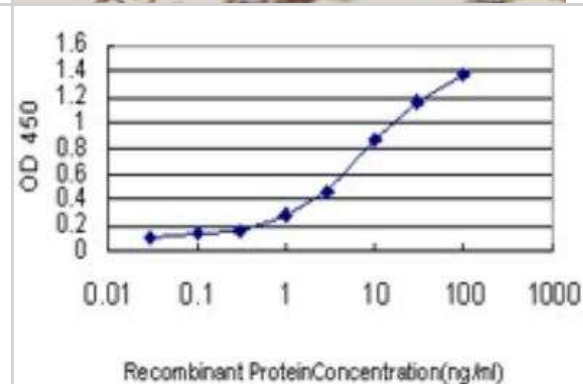
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	7B12
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 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>	3043
<b>Gene Symbol</b>	HBB
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	HBB - hemoglobin, beta
<b>Immunogen</b>	HBB (AAH07075, 38 a.a. ~ 147 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. WTQRFFESFGDLSTPDAVMGNPKVKAHGKKVLGAFSDGLAHLNPKGTFATL SELHCDKLHVDPENFRLLGNVLCVLAHFGKEFTPPVQAAAYQKVVAGVANAL PHKYH
<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, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Antibody reactivity against recombinant protein for WB. It has been used for IHC-P and ELISA.

## Images

Immunohistochemistry-Paraffin: Hemoglobin beta Antibody (7B12) [H00003043-M02] - Analysis of monoclonal antibody to HBB on formalin-fixed paraffin-embedded human lung. Antibody concentration 3 ug/ml.



ELISA: Hemoglobin beta Antibody (7B12) [H00003043-M02] - Detection limit for recombinant GST tagged HBB is approximately 0.1ng/ml as a capture antibody.



## Publications

Fang Y, Cheng Y, Lu D et al. Treatment of  $\beta$ 654 -thalassaemia by TALENs in a mouse model. *Cell Prolif.* 2018-08-02 [PMID: 30070404]

Lee YT, Kim KS, Byrnes C et al. A Synthetic Model of Human Beta-Thalassemia Erythropoiesis Using CD34+ Cells from Healthy Adult Donors. *PLoS One* 2013-07-08 [PMID: 23861885]

Ishikawa N, Ohlmeier S, Salmenkivi K et al. Hemoglobin  $\alpha$  and  $\beta$  are ubiquitous in the human lung, decline in idiopathic pulmonary fibrosis but not in COPD. *Respir Res* 11:123. 2010-09-13 [PMID: 20836851]



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### **Products Related to H00003043-M02**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00003043-Q01-10ug	Recombinant Human Hemoglobin beta GST (N-Term) Protein

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### **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.

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