

Product Datasheet

CYBB/NOX2 Antibody (NL7) - BSA Free NBP1-41012-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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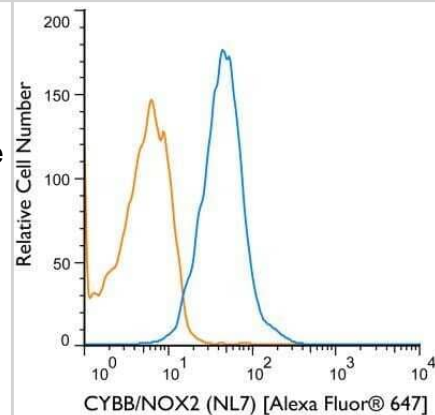
NBP1-41012-0.1mg

CYBB/NOX2 Antibody (NL7) - BSA Free

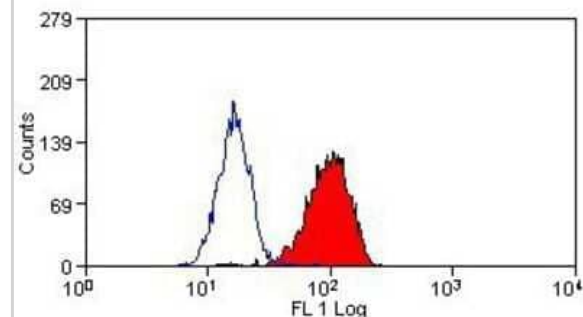
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	NL7
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	1536
Gene Symbol	CYBB
Species	Human
Specificity/Sensitivity	This antibody recognises the heavy chain of cytochrome B245. It recognises the native as well as the denatured form of the protein
Immunogen	Cytochrome B245 solubilized in octyl-beta-glucopyranoside
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, Flow (Intracellular)
Application Notes	For Flow Cytometry: Use 10 ul of the suggested working dilution to label 10 ⁶ cells in 100 ul (Burrit, J. B. et al.). Western blot detects a broad band at ~90 kDa. Clone NL7 has an inhibitory effect on NADPH oxidase activation. The antibody does not interfere with the translocation of the cytosolic subunits of NADPH oxidase to the cell membrane.

Images

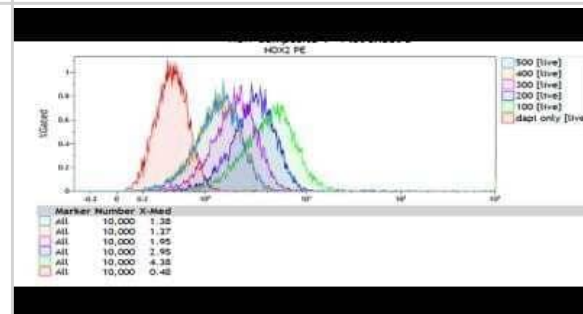
Flow Cytometry: CYBB/NOX2 Antibody (NL7) [NBP1-41012] - Using the Alexa Fluor 647 direct conjugate An intracellular stain was performed on Daudi cells with CYBB/NOX2 (NL7) antibody NBP1-41012AF647 (blue) and a matched isotype control NBP1-97005AF647 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 2 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



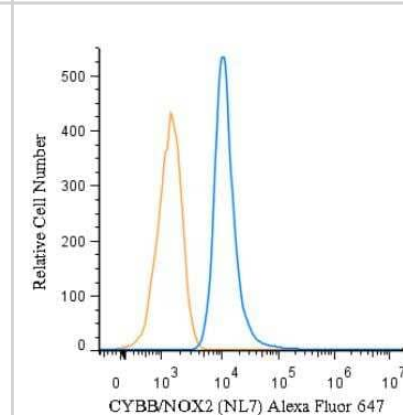
Flow Cytometry: CYBB/NOX2 Antibody (NL7) [NBP1-41012] - Staining of human peripheral blood granulocytes with Mouse anti Human Cytochrome b-245 Heavy Chain. Permeabilised with Leucoperm



Flow Cytometry: CYBB/NOX2 Antibody (NL7) [NBP1-41012] - Analysis using the PE conjugate of NBP1-41012. Staining of CYBB in human peripheral blood using anti-CYBB antibody. Image from verified customer review.



Flow (Intracellular): CYBB/NOX2 Antibody (NL7) [NBP1-41012] - An intracellular stain was performed on THP-1 cells with CYBB/NOX2 (NL7) antibody NBP1-41012AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Publications

Poinsignon L, Chissey A, Ajjaji A et al. Placental cartography of NADPH oxidase (NOX) family proteins: Involvement in the pathophysiology of preeclampsia Archives of biochemistry and biophysics 2023-10-20 [PMID: 37866451] (Immunohistochemistry, Western Blot, Human)

Park Y, Park M, Kim J et al. NOX2-Induced High Glycolytic Activity Contributes to the Gain of COL5A1-Mediated Mesenchymal Phenotype in GBM Cancers 2022-01-20 [PMID: 35158782] (IHC-P, Human)

Wu Zhi-Jie, Zhao Xin, Banaszak Lauren G et al. CRISPR/Cas9-mediated ASXL1 mutations in U937 cells disrupt myeloid differentiation. Int J Oncol. 2018-01-01 [PMID: 29532865] (FLOW, Human)

Burrit, J B et al. Functional epitope on human neutrophil flavocytochrome b558. J Immunol 170: 6082 - 6089. 2003-01-01 [PMID: 12794137] (FLOW)





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Products Related to NBP1-41012-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-41012PE	CYBB/NOX2 Antibody (NL7) [PE]

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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