

Product Datasheet

Cytochrome b245 alpha Antibody (CS9) - BSA Free NBP1-40974-0.1mg

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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Publications: 1

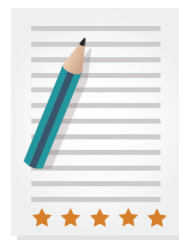
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NBP1-40974-0.1mg

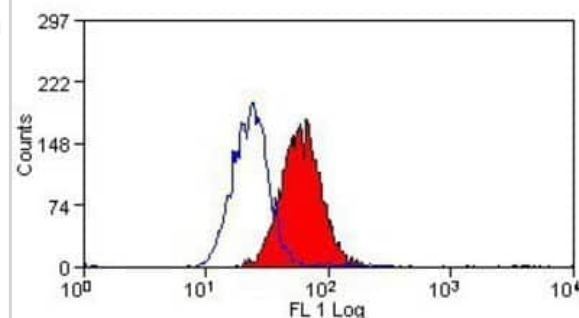
Cytochrome b245 alpha Antibody (CS9) - BSA Free

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	CS9
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Cytochrome b245 alpha Antibody (CS9) - BSA Free (NBP1-40974) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and IP. Anti-Cytochrome b245 alpha Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1535
Gene Symbol	CYBA
Species	Human
Specificity/Sensitivity	This antibody recognises the light chain of cytochrome B245, also known as p22phox, a subunit of the nicotinamide adenine dinucleotide phosphate-oxidase (NADPH oxidase). NADPH oxidase is a membrane-bound enzyme complex in neutrophils that produces the superoxide anion (O ₂ ⁻) by transferring single electrons from NADPH inside the cell across the membrane and coupling them to molecular oxygen. Superoxide is used for the destruction of pathogens. Individuals with defects in NADPH oxidase suffer from chronic granulomatous disease, characterised by severe recurrent infections.
Immunogen	Cytochrome B245 solubilised in octyl-beta-glucopyranoside
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:100, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Membrane permeabilisation is required for Flow Cytometry.

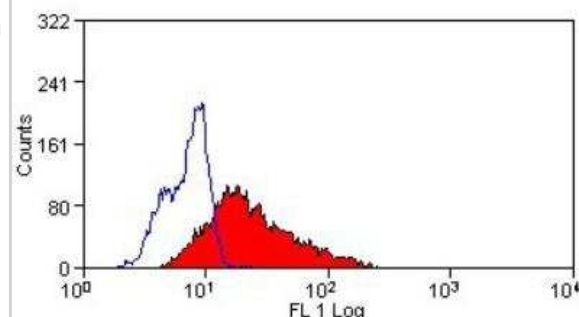


Images

Flow Cytometry: Cytochrome b245 alpha Antibody (CS9) [NBP1-40974] - Staining of human peripheral blood granulocytes with Mouse anti Human Cytochrome b-245 Light Chain: FITC. Permeabilised with Leucoperm.



Flow Cytometry: Cytochrome b245 alpha Antibody (CS9) [NBP1-40974] - Staining of human peripheral blood granulocytes with Mouse anti Human Cytochrome b-245 Light Chain. Permeabilised with Leucoperm



Publications

Aurelius J, Hallner A, Werlenius O et al. NOX2-dependent immunosuppression in chronic myelomonocytic leukemia. J. Leukoc. Biol. 2017-03-14 [PMID: 28292946] (Human)



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Products Related to NBP1-40974-0.1mg

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)
NBP1-40974UV	Cytochrome b245 alpha Antibody (CS9) [DyLight 350]

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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