

# Product Datasheet

## Cytochrome b245 alpha Antibody (CS9) [FITC] NBP1-40974F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-40974F**

Cytochrome b245 alpha Antibody (CS9) [FITC]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CS9
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	FITC
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1535
<b>Gene Symbol</b>	CYBA
<b>Species</b>	Human
<b>Reactivity Notes</b>	0
<b>Specificity/Sensitivity</b>	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 <sub>2</sub> <sup>-</sup> ) 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.
<b>Immunogen</b>	Cytochrome B245 solubilised in octyl-beta-glucopyranoside
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Frozen
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP1-40974F**

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NBP1-96849	Mouse IgG1 Isotype Control (MG1) [FITC]
H00001535-P01-2ug	Recombinant Human Cytochrome b245 alpha GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBL1-09657	Cytochrome b245 alpha Overexpression Lysate

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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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