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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cytochrome b-245 light chain [NS5] Standard Size Ab03685-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: NS5

Alternative Name(s) of Target: CYBA; flavocytochrome b; Cyt b; Cytochrome b(558) alpha chain; Cytochrome b558 subunit alpha; Neutrophil cytochrome b 22 kDa polypeptide; Superoxide-generating NADPH oxidase light chain subunit; p22 phagocyte B-cytochrome; p22-phox; p22phox

UniProt Accession Number of Target Protein: P13498

Published Application(s): IP, WB, ELISA

Published Species Reactivity: Human

Immunogen:

Specificity: The antibody recognises Cytochrome b-245 light chain (Epitope LLEYPRG+VKLFGP).

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody detected p22phox by western blot analysis. Further, the antibody immunoprecipitated Cyt b. The antibody showed moderate levels of inhibition of superoxide production by the NADPH oxidase complex (Taylor et al., 2004; PMID: 15585859).

Antibody First Published in: Taylor et al. Site-specific inhibitors of NADPH oxidase activity and structural probes of flavocytochrome b: characterization of six monoclonal antibodies to the p22phox subunit J Immunol. 2004 Dec 15;173(12):7349-57. [PMID:15585859](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.