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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cytochrome b-245 light chain [44.1] Standard Size Ab03686-10.3

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 IgG2a format, created for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: 44.1

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, FC

Published Species Reactivity: Human

Immunogen:

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

Application Notes: The expression of p22phox from HEK-293 cells was confirmed by western blot with the antibody (Nakano et al., 2007; PMID: 17140397). The antibody detected p22phox by western blot analysis (Burritt et al., 1995; PMID: 7622517 and Taylor et al., 2004; PMID: 15585859). The antibody bound permeabilized neutrophils as shown by flow cytometric analysis. The antibody immunoprecipitated cytochrome b (Burritt et al., 1995; PMID: 7622517).

Antibody First Published in: Taylor et al. Cloning, sequence analysis and confirmation of derived gene sequences for three epitope-mapped monoclonal antibodies against human phagocyte flavocytochrome b. Mol Immunol. 2007 Jan;44(4):625-37. [PMID:16563510](#)

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.