

Anti-Cytochrome C [E8] Standard Size Ab02837-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: E8

Alternative Name(s) of Target: CYC; CYCS; FabE8; Fab E8

UniProt Accession Number of Target Protein: P00004

Published Application(s): RIA

Published Species Reactivity: Horse (Equus caballus)

Immunogen: The original antibody was generated by immunizing BALB/c mice with horse cytochrome c (cyt c) conjugated to hemocyanin.

Specificity: This antibody binds horse cytochrome c. This antibody recognizes three major discontinuous segments (33 to 39; 56 to 66; 96 to 104), and two minor sites on cyt c opposite to the exposed haem edge (PMID: 9698550).

Application Notes: The original mouse IgG1 version of this antibody binds horse cytochrome c with an affinity of $K_d \approx 10(-9)$ M (PMID: 2993413). A solid phase radioimmunoassay was used to identify the specific epitope that the antibody binds (PMID: 2454225). The structural mechanism involved in the binding of the IgG1 antibody E8 to its highly charged protein antigen horse cytochrome c (cyt c) was studied using crystallographic structures (PMID: 9698550).

Antibody First Published in: Carbone et al. Monoclonal antibodies to horse cytochrome c expressing four distinct idiotypes distribute among two sites on the native protein. J Immunol. 1985 Oct;135(4):2609-16.

[PMID:2993413](#)

Note on publication: Describes the generated of 4 antibodies that bind horse cytochrome c.

Product Form

Size: 200 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.