

Anti-Rhesus D antigen [D7C2] Standard Size Ab01214-23.0

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

Isotype and Format: Rabbit IgG, Lambda

Clone Number: D7C2

Alternative Name(s) of Target: CD240D; RHXIII; Rh polypeptide 2; RhPII

UniProt Accession Number of Target Protein: Q02161

Published Application(s): ADCC, FC

Published Species Reactivity: Human

Immunogen: A Rh- volunteer blood donor (r/r) was injected with 5ml of Rh+ erythrocytes (R1/r) and the peripheral lymphocytes were isolated and transformed with 1 ml of culture supernatant of the EBV marmoset B96-8 cell line.

Specificity:

Application Notes: FC confirmed the binding of D7C2 to Rh D+ red cells in artificial mixtures (Edelman et al, 1997). The ADCC of D7C2 showed a percentage of 93% lysis (Edelman et al, 1997). D7C2 has been expressed recombinantly using a baculovirus-insect cell expression system (Edelman et al, 1997).

Antibody First Published in: Edelman et al, 1997. Obtaining a functional recombinant anti-rhesus (D) antibody using the baculovirus-insect cell expression system. Immunology. 1997 May; 91(1): 13-19.

[PMID:9203960](#)

Note on publication: Describes the original production of the antibody.

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.