

Anti-Do (b) [Mima-73] Standard Size Ab01354-4.0

Isotype and Format: Mouse IgG2c, Kappa

Clone Number: Mima-73

Alternative Name(s) of Target: CD297; Dob; Dombrock glycoprotein; Dombrock (b); 15D6; ADP-ribosyltransferase 4; Ecto-ADP-ribosyltransferase 4; ART4; ARTC4; DO; DO/ART4; DOK1

UniProt Accession Number of Target Protein: Q93070

Published Application(s): FC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunising BALB/c mice with human embryonic kidney 293T cells transfected to express high levels of Dombrock b.

Specificity: This antibody is specific for Dombrock b, a blood group antigen carried by ART4.

Haemagglutination studies have shown this antibody to react with RBCs from non-human primates, including chimpanzee and orangutan (Mogos et al, 2003).

Application Notes: The specificity of this antibody has been confirmed in haemagglutination studies, where it reacts with Do(a-b+) and Do(a+b+) RBCs, but not with Do(a+b-) RBCs (Grodecka et al, 2012). The epitope recognised by this antibody is resistant to treatment with papain, alpha-chymotrypsin and neuraminidase, and sensitive to treatment with trypsin and DTT (Grodecka et al, 2012). This antibody has been used, as part of a panel of antibodies specific for different epitopes on the Dombrock glycoprotein, in flow cytometric and haemagglutination analysis of human red blood cells (Mayer et al, 2010; Costa et al, 2010).

Antibody First Published in: Grodecka et al. The production, serologic evaluation, and epitope mapping of ten murine monoclonal Dombrock antibodies Immunohematology. 2012;28(4):124-9. [PMID:23421541](#)

Note on publication: Describes the original generation of this antibody, and the characterisation of its antigen specificity.

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.