

Anti-CD59 [YTH 53.1] Standard Size Ab00197-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Kappa

Clone Number: YTH 53.1

Alternative Name(s) of Target: MAC-IP; CD59 glycoprotein; 1F5 antigen; 20 kDa homologous restriction factor; HRF-20; MAC-inhibitory protein; MEM43 antigen; Membrane attack complex inhibition factor; MACIF; Membrane inhibitor of reactive lysis; MIRL; Protectin; YTH53; YTH-53

UniProt Accession Number of Target Protein: P13987

Published Application(s): FC

Published Species Reactivity: Human

Immunogen: T lymphocytes in human PBMC.

Specificity: Recognises CD59 18-20kD cell surface GPI linked glycoprotein broadly expressed by human leucocytes and erythrocytes. This protein is regulator of complement-mediated cell lysis by inhibiting the complement membrane attack complex formation of C8 and/or C9.

Application Notes:

Antibody First Published in: Davies A, Simmons DL, Hale G, Harrison RA, Tighe H, Lachmann PJ, Waldmann H. CD59, an LY-6-like protein expressed in human lymphoid cells, regulates the action of the complement membrane attack complex on homologous cells. J Exp Med. 1989 Sep 1;170(3):637-54.

[PMID:2475570](#)

Note on publication: Describes the preparation of antibody and characterisation of the specificities by immunofluorescence and flow cytometry and complement-mediated cell lysis assays.

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.