

Leukocyte Surface Antigen CD53 (CD53) Antibody (PE)

Catalogue No.: abx200367

Recognizes the human CD53 cell surface antigen, a glycoprotein of 32-40 kDa. CD53 is expressed by all leucocytes, but is absent from erythrocytes and platelets. A number of eukaryotic cell surface antigens have been shown to be related, including mammalian leukocyte antigen CD37, mammalian lysosomal membrane protein CD63, human tumour-associated antigen CD-029, and several others. These proteins are all type II membrane proteins: they contain an N-terminal transmembrane (TM) domain, which acts both as a signal sequence and a membrane anchor, and 3 additional TM regions (hence the name 'TM4'). The sequences contain a number of conserved cysteine residues.

Target: CD53

Reactivity: Human, Monkey

Host: Mouse

Clonality: Monoclonal

Tested Applications: FCM

Recommended dilutions: FCM: 20 µl/1 million cells. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Leucocytes of patient suffering from a LGL-type leukaemia.

Purification: Affinity Chromatography

Form: Liquid

Isotype: IgG₁

Conjugation: PE

Specificity: The antigen, 32-40kDa, is a single chain glycoprotein on most leucocytes. There is no cross-reactivity with erythrocytes or platelets. The antibody recognises a broad span of leucocytes of both normal and neoplastic plasma cells.

Storage: Store in the dark at 2-8 °C.

Molecular Weight: 32-40 kDa

Swiss Prot: [P19397](#)

GeneID: [963](#)

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Buffer: The reagent is provided in aqueous buffered solution containing protein stabilizer, and $\leq 0.09\%$ sodium Azide

Note: This product is for research use only.