

## Anti-CD43 [W3/13] Standard Size Ab00540-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric rat 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:** Rat IgG2b, Fc Silent™, Kappa

**Clone Number:** W3/13

**Alternative Name(s) of Target:** Leukosialin; sialophorin; Leukocyte sialoglycoprotein; Ly-48; Ly48

**UniProt Accession Number of Target Protein:** P13838

**Published Application(s):** RIA, FC, IF, IHC

**Published Species Reactivity:** Rat

**Immunogen:** Rat thymocyte membrane glycoproteins injected into BALB/c mice.

**Specificity:** This antibody binds to CD43, which is expressed on lymphocytes.

**Application Notes:** This antibody detects CD43 on lymphoid cells, and can be used to label thymocytes, lymphocytes from the bone marrow and thoracic duct lymphocytes (Williams et al, 1977). Similarly, W3/13 can be used in immunohistochemical staining, enabling the elucidation of the cellular organisation of lymph nodes (Barclay, 1981).

**Antibody First Published in:** Williams et al. Analysis of cell surfaces by xenogeneic myeloma-hybrid antibodies: Differentiation antigens of rat lymphocytes Cell, 1977, Vol.12(3), pp.663-673 [PMID:303545](#)

**Note on publication:** Describes the original use of this antibody to detect CD43 in lymphoid cell labelling studies

## 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.