

# Anti-Human CD22 (IB14) Antibody

**Product Code:** ICH5093A-0.1mg

**More Information**

**Species Reactivity:** Human

**Target:** CD22

**Concentration:** 1.0 - 5.0 mg/ml

**Isotype:** Human IgG1 (E356D/M358L)-kappa

**Size:** 0.1mg

**UniProt:** P20273

**Shipping Conditions:** Blue ice

**background:** CD22 (Siglec-2) is an inhibitory co-receptor on B cells that fine-tunes B-cell receptor signalling and is a frequently studied marker in B-cell biology and lymphoma research. Clone IB14 is a human IgG1 monoclonal antibody recognising human CD22 and is suitable for functional assays exploring B-cell signalling and antigen engagement. Anti-CD22 clone IB14 is prepared in a low-endotoxin format compatible with in vivo use and is manufactured in scalable milligram (mg) to gram (g) quantities for bulk and high-throughput laboratories. Supplied for research use only as a non-therapeutic reagent, IB14 offers consistent, reproducible performance for human B-cell immunology studies.

**Other names:** Sialic acid binding Ig-like lectin 2, SIGLEC2, SIGLEC-2, B-lymphocyte cell adhesion molecule, BL-CAM, Leu-14

**clone:** IB14

**Specificity:** Detects human CD22

**Purification Method:** This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

**Formulation:** Sterile, preservative-free, solution in PBS. BSA and Azide free.



**Purity:**  $\geq 95\%$  monomer by analytical SEC,  $>95\%$  by SDS Page

**Endotoxin:** 1EU/mg Determined by LAL gel clotting assay

**Storage:** Stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid Repeated Freeze Thaw Cycles.

**Application Notes:** This antibody is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.