

## Anti-Human CD22 Mouse Monoclonal Antibody

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| Catalog      | Unit   |
|--------------|--------|
| TBS10245-50  | 50 µg  |
| TBS10245-100 | 100 µg |
| TBS10245-200 | 200 µg |

### Product Details

**Description:** CD22 is a type I transmembrane glycoprotein belonging to the sialoadhesion subgroup of the immunoglobulin superfamily. It is primarily expressed in the cytoplasm of pro-B and pre-B cells and on the surface of mature and activated B cells, but not on plasma cells. Functionally, CD22 acts as an inhibitory coreceptor within the B cell receptor (BCR) complex, modulating B cell activation thresholds. This regulatory role is crucial for maintaining immune tolerance and preventing autoimmune responses.

**Alternative names:** Siglec-2; cluster of differentiation 22; BL-CAM; Lyb8

**Applications:**

- Flow cytometry (FC)
- Immunohistochemistry (IHC)

**Specificity:** The recombinant antibody specifically binds to human CD22.

**Host:** Mouse

**Isotype:** Mouse IgG1 kappa

**Concentration:** 0.5 mg/mL

**Purity:** 95%

**Conjugate:** Non-conjugated.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Clonality:** Monoclonal

**Sterility:** 0.2 µm filtered

**Storage:** 4°C stable for up to 12 months.

**For research use only.**