

**Mouse CD22 AccuSignal ELISA Kit - KOA0777**
**Code:** KOA0777

**Size:** 1 Kit

**Product Description:** Mouse CD22 AccuSignal ELISA Kit - KOA0777

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	CD22
<b>Species Reactivity</b>	Mouse
<b>Storage Condition</b>	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
<b>Synonyms</b>	B cell receptor CD22 precursor, B lymphocyte cell adhesion molecule, B-cell receptor CD22, B-lymphocyte cell adhesion molecule, BL CAM, BL-CAM, BLCAM, CD 22, CD22, CD22 antigen, CD22 molecule, CD22 protein, CD22_HUMAN, Lectin 2, Leu14, Lyb8, MGC130020, sialic acid binding Ig like lectin 2, Sialic acid binding immunoglobulin like lectin 2, Sialic acid-binding Ig-like lectin 2, SIGLEC 2, Siglec-2, SIGLEC2, T cell surface antigen Leu 14, T-cell surface antigen Leu-14
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse CD22 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernatants, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse CD22 standard solution and each sample be measured in duplicate.
<b>Background</b>	CD22 or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. This gene is mapped to 19q13.2. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. Generally speaking, CD22 is a regulatory molecule that prevents the overactivation of the immune system and the development of autoimmune diseases. It is a negative regulator of antigen receptor signaling whose onset of expression at the mature B cell stage may serve to raise the antigen concentration threshold required for B cell triggering. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signalling. This gene can downmodulate signaling through the IgM and IgD B-cell receptors (BCRs), but not through the IgG BCR, because the IgG cytoplasmic tail prevents CD22 phosphorylation and actually enhances IgG-BCR signaling.
<b>Purity And Specificity</b>	Natural and recombinant mouse CD22. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	156pg/ml-10,000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: S22-R702
<b>Anti-Coagulant</b>	Heparin Sodium

**Related Products**

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

**Related Links**

UniProtKB - P35329

<http://www.uniprot.org/uniprot/P35329>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_001036782.1](http://www.ncbi.nlm.nih.gov/protein/NP_001036782.1)

GeneID - 12483

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=12483>

KOA0777 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0777%20GBL.pdf>

## **Disclaimer**

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