

Mouse CD22 ELISA Kit | CD22 elisa kit

Mouse CD22 PicoKine ELISA Kit

CATALOG #
AAA45815

REACTIVITY
Mouse

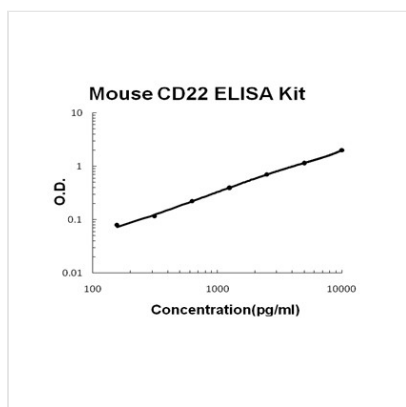
PRODUCT SYNONYMS

CD22; Mouse CD22 PicoKine ELISA Kit; B-cell receptor CD22; CD22 molecule; B cell receptor CD22 precursor; B lymphocyte cell adhesion molecule; B-lymphocyte cell adhesion molecule; BL CAM; BL-CAM; BLCAM; CD 22; CD22 antigen; 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; CD22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CD22
Sequence Length	862
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CD22 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD22 elisa kit	Principle of the assay: mouse CD22 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CD22 has been precoated onto 96-well plates. Standards(NSO, S22-R702) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD22 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CD22 amount of sample captured in plate. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	461664
NCBI GeneID	12483
UniProt Accession #	P35329; Q9JHL2; Q9JJX9; Q9JJY0; Q9JJY1; Q9R056; Q9R094; Q9WU51
Molecular Weight	92,857 Da
NCBI Official Full Name	B-cell receptor CD22
NCBI Official Synonym Full Names	CD22 antigen
NCBI Official Symbol	Cd22
NCBI Official Synonym Symbols	Lyb8; Lyb-8; A530093D23
NCBI Protein Information	B-cell receptor CD22; BL-CAM; siglec-2; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid-binding Ig-like lectin 2
UniProt Protein Name	B-cell receptor CD22
UniProt Gene Name	Cd22
UniProt Synonym Gene Names	Lyb-8; Siglec2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.