

Recombinant Mouse Cd22 Protein (Met1-Arg708), His tagged, Biotinylated

Cat. No. Cd22-535MB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Cd22 (BAE33829.1) (Met1-Arg708) with a C-terminal polyhistidine tag was expressed in human cells. Purified protein was labeled with biotin in vitro.
Species	Mouse
Source	Human Cells
ProteinLength	Met1-Arg708
Description	Enables CD4 receptor binding activity; protein phosphatase binding activity; and sialic acid binding activity. Involved in several processes, including negative regulation of calcium-mediated signaling; negative regulation of immunoglobulin production; and regulation of B cell proliferation. Located in external side of plasma membrane and neuronal cell body membrane. Is integral component of plasma membrane. Is expressed in several structures, including alimentary system; brain; hemolymphoid system gland; liver and biliary system; and reproductive system. Orthologous to human CD22 (CD22 molecule).
Molecular Mass	The recombinant mouse CD22 comprises 701 amino acids and has a predicted molecular mass of 78.8 kDa. The apparent molecular mass of the protein is approximately 116 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Purity	> 95% by SDS-PAGE

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Stability	Samples are stable for up to six months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.9 mg/mL
Storage Buffer	Liquid in sterile PBS, pH7.4
Conjugation	Biotin
GENE INFORMATION	
Gene Name	Cd22 CD22 antigen [Mus musculus (house mouse)]
Official Symbol	Cd22
Synonyms	CD22; CD22 antigen; 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; Lyb8; Lyb-8; A530093D23
Gene ID	12483
mRNA Refseq	NM_001043317
Protein Refseq	NP_001036782
UniProt ID	P35329