

Recombinant Anti-CD98 Antibody (V3S-0522-YC5472)

Cat. No.: V3S-0522-YC5472

Summary

Description	This product is a monoclonal antibody derived from Rat (<i>Rattus norvegicus</i>), which can specifically recognize Solute carrier family 3 member 2. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Rat
Target Species	Human
Immunogen	Bone marrow cell
Isotype	IgG
Secondary Antibody	C40224; C74571; C22227; C56421; C32514; C47763; C63764; C41555; C10423; C53263; C44755

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application	ELISA
Application Notes	The antibody is recommended for detection of CD98 by ELISA assay.

Target

Target	CD98
Alternative Name	4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC; SLC3A2
Gene ID	6520
UniProt	P08195
Introduction	Solute carrier family 3 member 2 (SLC3A2, CD98 antigen) belongs to the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids.
Research Area	Immunology; Signal Pathway
Related Disease	Autoimmune disease, Type-1 diabetes, Rheumatoid arthritis

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