

Active Recombinant Human CD52 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. CD52-390H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CD52, Fc Tag is expressed from HEK293 cells. It contains AA Gly 25 - Ser 36 (Accession # P31358-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	25-36 a.a.
Predicted N Terminal	Gly 25
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Anti CD52 MAb, Human IgG1 at 10 ug/mL (100 uL/well) can bind Biotinylated Human CD52, Fc Tag with a linear range of 0.625-10 ug/mL.
Molecular Mass	The protein has a calculated MW of 29.7 kDa. As a result of glycosylation, the protein migrates as 38-45 kDa under reducing condition, and 66-100 kDa under non-reducing condition (SDS-PAGE).
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD52 CD52 molecule [Homo sapiens]
Official Symbol	CD52
Synonyms	CD52; CD52 molecule; CD52 antigen (CAMPATH 1 antigen) , CDW52; CAMPATH-1 antigen; he5; cambridge pathology 1 antigen; epididymal secretory protein E5; CD52 antigen (CAMPATH-1 antigen); CDW52 antigen (CAMPATH-1 antigen); human epididymis-specific protein 5; CDW52;
Gene ID	1043

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mRNA Refseq	NM_001803
Protein Refseq	NP_001794
MIM	114280
UniProt ID	P31358

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