Recombinant Mouse CD320 cell lysate

Cat. No. CD320-001MCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse CD320 / 8D6A derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.
Species	Mouse
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	Cd320 CD320 antigen [Mus musculus]
Official Symbol	Cd320
Synonyms	8D6; NG29; VLDL; 425O18-1; D17Ertd716e; TCblR; transcobalamin receptor; putative VLDL lipoprotein receptor
Gene ID	54219
mRNA Refseq	NM_019421
Protein Refseq	NP_062294
UniProt ID	Q9Z1P5
Chromosome Location	17 B1; 17 17.98 cM
Pathway	Cobalamin (Cbl, vitamin B12) transport and metabolism, organism-specific biosystem;

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	Defective BTD causes biotidinase deficiency, organism-specific biosystem; Defective MMAA causes methylmalonic aciduria type cblA, organism-specific biosystem

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