

CD55 Mouse Recombinant

Item Number	rAP-0091
Synonyms	Complement decay-accelerating factor, GPI-anchored, DAF-GPI, CD_antigen: CD55.
Description	CD55 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 336 amino acids (35-362 a.a.) and having a molecular mass of 36.8kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).
Uniprot Accesion Number	Q61475
Amino Acid Sequence	DCGPPPDIPN ARPILGRHSK FAEQSKVAYS CNNGFKQVPD KSNIVVCLEN GQWSSHETFC EKSCVAPERL SFASLKKEYL NMNFFPVGTI VEYECRPGFR KQPPLPGKAT CLEDLVWSPV AQFCKKKSCP NPKDLDNGHI NIPTGILFGS EINFSCNPGY RLVGVSSSTFC SVTGNTVDWD DEFPVCTEIH
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	CD55 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95% pure by SDS-PAGE.
Application	ELISA, Western blot, Immunoprecipitation, Immunofluorescence, Flow cytometry, Cell-based assays.
Solubility	Water soluble.
Biological Activity	CD55 is a membrane protein that functions as a complement regulatory protein. It binds to the C3b and C4b2a complexes and inhibits their ability to cleave substrate proteins.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**