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32-13109: CD52 Human

Alternative Name :	CD52 Molecule, Human Epididymis-Specific Protein 5, CD52 Antigen, Epididymal Secretory Protein E5, Cambridge Pathology 1 Antigen, CDW52, He5, Epididymis Secretory Sperm Binding Protein Li 171mP, CDW52 Antigen, CD52 Antigen, HEL-S-171mP, EDDM5, CDw52, HE5.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
CD52 is a small GPI (glycosylphosphatidylinositol) anchored glycoprotein which is tied to the cell surface with a GPI linkage. CD52 induces immune suppression by complement-meditated cell lysis. Moreover, CD52 is expressed on lymphocytes, eosinophils, monocytes-derived dendritic cells, monocytes, as well as neutrophils, however not on the stem cells from which these lymphocytes were derived. Furthermore, CD52 is a significant goal for therapeutic interventions intended for leukocyte depletion in post-transplant immunosuppression & hematological malignancies.
CD52 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 251 amino acids (25-36 a.a.) and having a molecular mass of 28.2kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).CD52 is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CD52 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage condition :	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.
Amino Acid :	GQNDTSQTSS PSLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWESNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H.