

Product Data:**Product SKU:** RPES5223**Size:** 10µg**Species:** Human**Expression host:** Human Cells**Uniprot:** P16070**Protein Information:****Molecular Mass:** 49.2 kDa**AP Molecular Mass:** 80 kDa**Tag:** C-Fc**Bio-activity:****Purity:** > 90 % as determined by reducing SDS-PAGE.**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.**Reconstitution:** Please refer to the printed manual for detailed information.**Application:****Synonyms:** CDW44;CSPG8;ECMR-III;HCELL;HUTCH-I;IN;LHR;MC56;MDU2;MDU3;MIC4;Pgp1; Epican; Extracellular Matrix Receptor III; ECMR-III; GP90 Lymphocyte Homing/Adhesion Receptor; HUTCH-I; Heparan Sulfate Proteoglycan; Hermes Antigen; Hyaluronate Receptor; Phagocytic Glycoprotein 1; PGP; Phagocytic Glycoprotein I; PGP-I; CD44

Immunogen Information:

Sequence: Gln21-Pro220

Background:

CD44 is a cell-surface receptor for hyaluronic acid and also interacts with other ligands, such as osteopontin, collagens, and matrix metalloproteinases. A large number of CD44 isoforms can be generated by the insertion of different combinations of at least nine exons. Increased CD44 antigen is associated with relapses in non-small cell lung cancers. Furthermore, an increasing quantity of evidence suggests that CD44 has various functions related to inflammatory disease. CD44 deficiency induces severe liver injury. CD44-hyaluronate mediates in lymphocyte T and monocyte adhesion to the endothelium, stimulates proinflammatory cytokine release from macrophages and participates in dedifferentiation phenotype of smooth muscle cells from contractile state to synthetic one.