

CD24 Protein-VLP, Human, Recombinant

General Information

Synonyms: CD24A;MGC75043;FLJ43543;CD 24;FLJ22950;CD24 molecule
Protein Construction: Ser27-Gly59
Species: Human
Expression Host: HEK293 Cells
Accession: P25063-1
Molecular Weight: 5.0 kDa (predicted)

QC Testing

Biological Activity: Immobilized Human CD24 VLP at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD24 Antibody, hFc Tag with the EC50 of 16.4ng/ml determined by ELISA.
Endotoxin: < 1.0 EU/µg of the protein as determined by the LAL method.
Formulation: Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: If you need it for immunization, Do Not use any adjuvant.

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

CD24 is a sialoglycoprotein expressed at the surface of most B lymphocytes and differentiating neuroblasts. It is also expressed on neutrophils and neutrophil precursors from the myelocyte stage onwards. The potential for targeting CD24 in cancer therapy seems promising, as CD24 is overexpressed in many human cancers.

Reference

Barkal AA, et al. CD24 signalling through macrophage Siglec-10 is a target for cancer immunotherapy. Nature. 2019 Jul 3doi: 10.1038/s41586-019-1456-0.

Sun F, et al. Engineering a high-affinity humanized anti-CD24 antibody to target hepatocellular carcinoma by a novel CDR grafting design[J]. Oncotarget, 2017, 8(31):51238-51252.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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