

## 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 EU/µg 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 &amp; 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.

## Shipping:

Shipping 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 3 doi: 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.

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