

RP00567

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Recombinant Human KP43/CD94 Protein

Catalog No.: RP00567

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3824	Q13241

Tags

N-His

Synonyms

KLRD1;CD94

Background

CD94 (Cluster of Differentiation 94), also known as killer cell lectin-like receptor subfamily D member 1(KLRD1), is expressed on the surface of natural killer cells in the innate immune system. CD94 Plays a role as areceptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. CD94 Canform disulfide-bonded heterodimer with NKG2 family members. The CD94/NKG2 complex, on the surface ofnatural killer cells interacts with Human Leukocyte Antigen (HLA)-E on target cells. Natural killer (NK) cells are adistinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immunestimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, areexpressed by NK cells and may be involved in the regulation of NK cell function. KLRD1 (CD94) is an antigenpreferentially expressed on NK cells and is classified as a type II membrane protein because it has an external Cterminus.

Product Information

Source	Purification
	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Basic Information

Description

Recombinant Human CD94/Natural Killer Cells Antigen CD94 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Ser34-Ile179) of human CD94/Natural Killer Cells Antigen CD94 (Accession #Q13241) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage

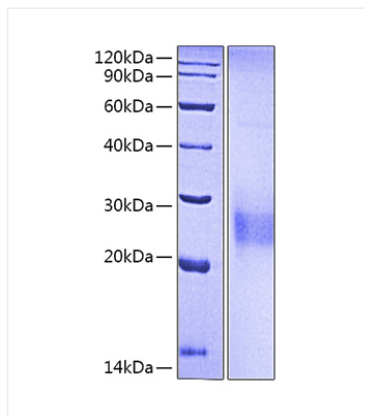
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human KP43/CD94 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.