

PRODUCT INFORMATION

CD94 **Target**

Synonyms KP43;KLRD1

Recombinant Human CD94 with N-terminal **Description**

human Fc tag

Delivery In Stock **Uniprot ID** Q13241 **Expression Host HEK293**

Tag N-Human Fc Tag

Molecular

Storage & Shipping

Background

hFc(Glu99-Ala330) CD94(Lys32-Ile179) Characterization

The protein has a predicted molecular mass of

43.3 kDa after removal of the signal peptide. The **Molecular Weight**

apparent molecular mass of hFc-CD94 is approximately 55-70 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, are expressed by NK cells and may be involved in the regulation of NK cell function. KLRD1 (CD94) is an expression of NK cell function.

antigen preferentially expressed on NK cells and

is classified as a type II membrane protein because it has an external C terminus. Several transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, May 2017]

Usage Research use only

Conjugate Unconjugated

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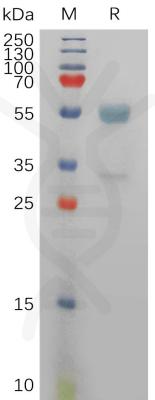


Figure 1. Human CD94 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CD94, hFc Tagged protein ELISA

0.2 μg of Human CD94, hFc tagged protein per well

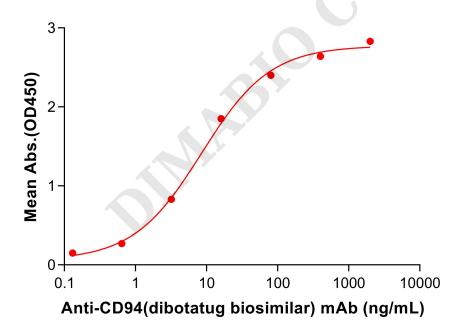
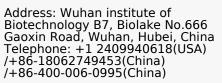


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CD94 Protein,hFc Tag (PME101138) can bind Anti-CD94(dibotatug biosimilar) mAb (BME100476) in a linear range of 3.2–16 ng/mL, mouse anti-human Fab-specific antibody was used as detection antibody.



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