PRODUCT INFORMATION

Target	CD94
Synonyms	KP43;KLRD1
Description	Recombinant Human CD94 with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q13241
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) CD94(Lys32-Ile179)
Molecular Weight	The protein has a predicted molecular mass of 43.3 kDa after removal of the signal peptide.The apparent molecular mass of hFc-CD94 is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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 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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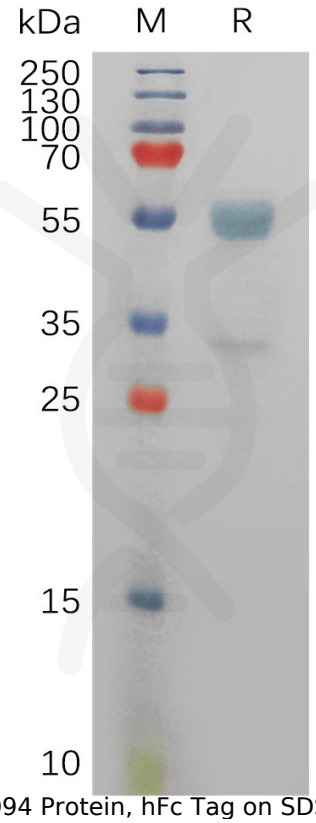


Figure 1. Human CD94 Protein, hFc Tag on SDS-PAGE under reducing condition.

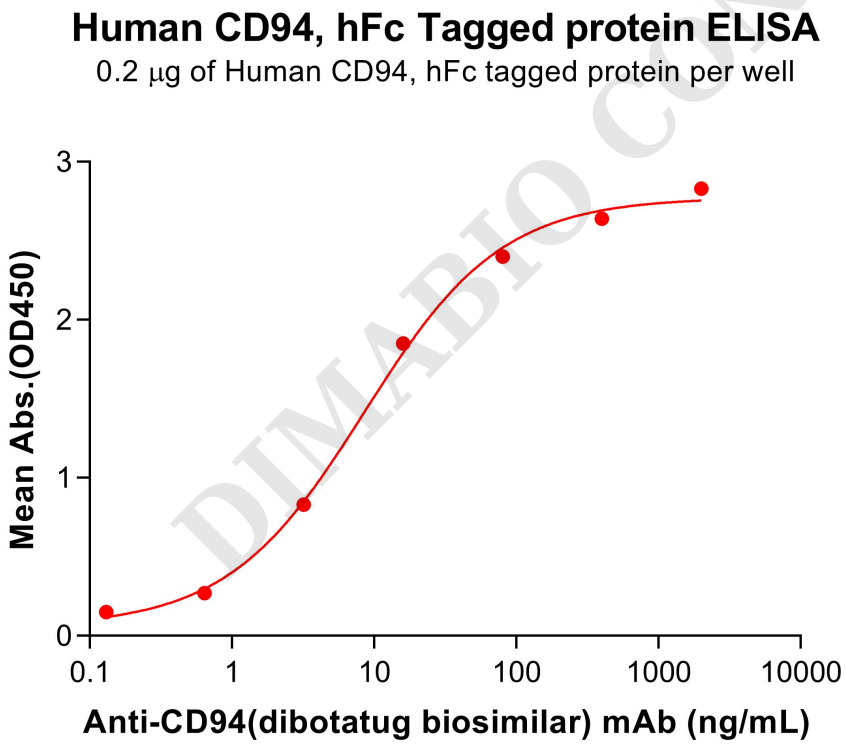


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD94 Protein,hFc Tag (PME101138) can bind Anti-CD94(dibotatug biosimilar) mAb (BME100476) in a linear range of 3.2–16 ng/mL, mouse anti-human Fab-specific antibody was used as detection antibody.

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