

**HDFP759**

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## Product Information

<b>Product SKU:</b>	HDFP759	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	CD4	<b>Tag:</b>	Biotinylated, Flag&Avi Tag	<b>C-</b>	

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## Additional Information

<b>Conjugate:</b>	Biotinylated	<b>Uniprot ID:</b>	P01730
<b>Molecular Weight:</b>	The human full length CD4 Protein has a MW of 55.9 kDa		

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## Protein Information

**Background:** This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, May 2020]

**Synonyms:** T4; IMD79; Leu-3; OKT4D; CD4mut

**Protein Description:** Biotinylated Human CD4 full length protein-synthetic nanodisc

**Formulation:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for

- Protein Pathways:** Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway.
- Protein Families:** Transmembrane.
- Usage:** Research use only
- 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.