

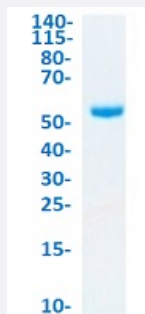
Bioactive

HuPro®

CD4 (Human) Recombinant Protein

Catalog # P6743 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD4 (26 a.a. - 390 a.a.) partial recombinant protein with His and Avi tag at the C-terminus expressed in Expi293 cells.
Host	Human
Form	Lyophilized
Preparation Method	Mammalian cell (Expi293) expression system
Purification	Ni-sepharose purification
Purity	> 95% (determined by Tris-Bis PAGE)
Endotoxin Level	< 1 EU/ug of protein (determined by LAL method)

Activity	Immobilized human CD4 at 0.5 ug (100 uL/well) on the plate. Dose response curve for Anti-CD4 Ab with the EC ₅₀ of 9.8 ng/mL determined by ELISA.
Quality Control Testing	Tris-Bis PAGE under reduced condition.
Recommend Usage	Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Storage Instruction	Store at -80°C on dry atmosphere, lyophilized antibodies are stable at least 2 years. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- SDS-PAGE

Gene Info — CD4

Entrez GeneID	920
Protein Accession#	P01730
Gene Name	CD4
Gene Alias	CD4mut
Gene Description	CD4 molecule
Omim ID	186940
Gene Ontology	Hyperlink
Other Designations	CD4 antigen CD4 antigen (p55) CD4 receptor

Pathway

- [Antigen processing and presentation](#)
- [Cell adhesion molecules \(CAMs\)](#)

- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Occupational Diseases](#)

- [Pregnancy Complications](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Viremia](#)
- [Vitiligo](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)