

## CD4 Rabbit Polyclonal Antibody

### Catalog #: EAB13726

| Host/Isotype | Clonality  | Applications             | MW (kDa) | Reactivity   |
|--------------|------------|--------------------------|----------|--------------|
| Rabbit IgG   | Polyclonal | WB, IHC-P, IF/ICC, ELISA | 51       | Human, Mouse |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|  |              |
|--|--------------|
| <b>WB</b> (Western Blotting)                           | 1:500-2000   |
| <b>IHC-P</b> (Immunohistochemistry-Paraffin)           | 1:50-300     |
| <b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry) | 1:50-300     |
| <b>ELISA</b> (Enzyme-linked Immunosorbent Assay)       | 1:5000-20000 |

### Product Information

|                       |  |
|-----------------------|--|
| <b>Conjugate</b>      | Unconjugate  |
| <b>Specificity</b>    | CD4 Rabbit Polyclonal Antibody detects endogenous levels of CD4 protein.   |
| <b>Purification</b>   | Affinity purification  |
| <b>Concentration</b>  | 1mg/ml   |
| <b>Format</b>         | Liquid   |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol   |
| <b>Shipping</b>       | Gel Pack   |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P01730</a>   |
| <b>Entrez-Gene ID</b> | <a href="#">920</a>  |

### Product Description

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.

**For Reserch Use Only. Not For Use In Diagnostic Procedures**