



Rabbit Anti-Human CD4 monoclonal antibody, clone TQ46 (CABT-L1229)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Target | CD4 |
| Immunogen | Synthetic peptide corresponding to internal region of human CD4 |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | TQ46 |
| Purification | Protein A/G Purified |
| Conjugate | Unconjugated |
| Applications | FC, IHC-P |
| Positive Control | A suggested positive control is tonsil or T Cell lymphoma. |
| Format | Liquid |
| Buffer | PBS, pH 7.6, with 1% BSA |
| Preservative | 0.1% Sodium Azide |
| Storage | 4°C, do not freeze |

BACKGROUND

Introduction

The CD4 antigen is involved in the recognition of MHC class II molecules and is a co-receptor for HIV. CD4 is primarily expressed in a subset of T-lymphocytes, also referred to as T helper cells, but may also be expressed by other cells in the immune system, such as monocytes, macrophages, and dendritic cells. At the tissue level, CD4 expression may be detected in thymus, lymph nodes, tonsils, and spleen, and also in specific regions of the brain, gut, and other non-lymphoid tissues. CD4 functions to initiate or augment the early phase of T-cell activation through its association with the T-cell receptor complex and protein tyrosine kinase, Lck. It may also function as an important mediator of direct neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcripts have been identified in this gene [RefSeq, July 2017].

GENE INFORMATION

Entrez Gene ID [920](#)

UniProt ID [P01730](#)