

Anti-CD4 [MT310] Bulk Size Ab00217-23.0-BT

Recombinant monoclonal antibody to CD4. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma MT310.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: MT310

Alternative Name(s) of Target: T-cell differentiation antigen; Ly-4; L3T4; T-cell surface antigen T4/Leu-3

UniProt Accession Number of Target Protein: P01730

Published Application(s): IHC-P, IP, WB, FC, IF

Published Species Reactivity: Human, Rhesus Monkey, Cynomolgus Monkey

Immunogen:

Specificity: mt310 binds to the extracellular domain D1 of CD4 - the same site as the HIV-1 gp120-binding site

Application Notes: mt310 can inhibit gp120 binding to CD4, which blocks HIV infectivity of CD4+ T lymphocytes, as well as the binding of MHCII, which results in the block of T-cell activation, possibly leading to the induction of anergy. Antibody binding to CD4 additionally causes the induction of GM-CSF, TNF- α (only after 20 h) and IL-10.

Antibody First Published in: Herzog et al. Monoclonal anti-CD4 in arthritis. Lancet. 1987 Dec 19;2(8573):1461-2. [PMID:2892019](#)

Note on publication: Describes the use of this antibody in immunosuppression.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg /ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.