
Anti- Human CD4 Monoclonal Antibody (Biotinylated)

CATALOG NUMBER: CD-04mb, 100 µg

Introduction	<p>CD4 (cluster of differentiation 4) is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with either have CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.</p> <p>HIV-1 uses CD4 to gain entry into host T-cells and achieves this by binding of the viral envelope protein known as gp120 to CD4.</p>
Applications	Flow Cyt, IHC, IP, maybe used for other applications.
Description	Biotinylated mouse anti-human CD4 monoclonal antibody.
Immunogen	Purified human peripheral blood leucocyte CD4+ T cells.
Specificity	Reacts with human CD4.
Purification	Ion exchange column.
Isotype	mouse IgG2b.
Storage	Store at -20 °C; Stable for at least 1 month from the date of shipment at 4 °C.
Concentration	1 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.
Size	100 µg
Usage	This product does not contain livestock or poultry disease agents, non-toxic/non contagious and is not intended for human use, only for laboratory research and development.

