

## Anti- Human CD4 Monoclonal Antibody

CATALOG NUMBER: CD-04m, 100 µg

<b>Introduction</b>	<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>
<b>Applications</b>	ELISA, WB, and Blocks binding of HIV-1 to CD4, maybe used for other applications.
<b>Description</b>	Anti-human CD4 mouse monoclonal antibody.
<b>Immunogen</b>	Purified human peripheral blood leucocyte CD4+ T cells.
<b>Specificity</b>	Reacts with human CD4.
<b>Purification</b>	Ion exchange column.
<b>Isotype</b>	mouse IgG2b.
<b>Storage</b>	Store at -20 °C; Stable for at least 1 month from the date of shipment at 4 °C.
<b>Concentration</b>	1 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.
<b>Size</b>	100 µg
<b>Usage</b>	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.

