

## Product Datasheet

### CD4 Antibody (C-term) (orb2649321)

<b>Catalog Number</b>	orb2649321
<b>Category</b>	Antibodies
<b>Description</b>	Affinity Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	CD4
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Monkey
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This CD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 408-436 amino acids from the C-terminal region of human CD4. Antigen Region: 408-436 aa.
<b>UniProt ID</b>	<b>P01730</b>
<b>MW</b>	51111 Da
<b>Tested applications</b>	FC, IHC-P, WB
<b>Dilution range</b>	WB - 1:1000, IHC-P - 1:10-50, FC - 1:10-50

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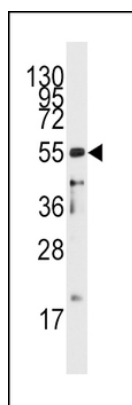
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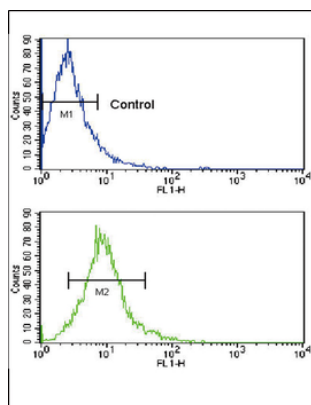
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<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_000607.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Western blot analysis of anti-CD4 Antibody (C-term) in mouse heart tissue lysates (35 ug/lane). CD4 (arrow) was detected using the purified Pab.



Flow cytometric analysis of CEM cells using CD4 Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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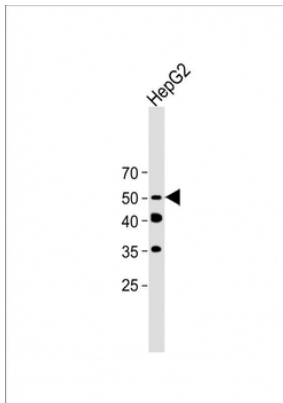
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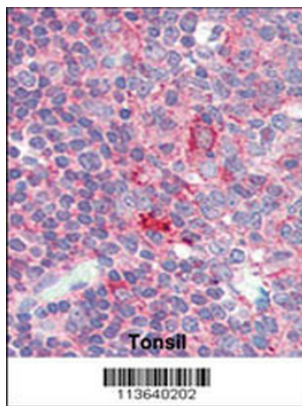
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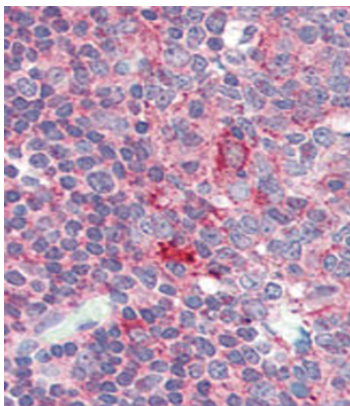
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All lanes: Anti-CD4 Antibody (C-term) at 1:2000 dilution + HepG2 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/15000 dilution. Observed band size: 51 KDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human Tonsil tissue reacted with CD4 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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