

Product Datasheet

CD4 Antibody (orb1239267)

Catalog Number	orb1239267
Category	Antibodies
Description	CD4 Antibody
Target	CD4
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	CD4 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Purification	CD4 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Immunogen	Mouse monoclonal CD4 antibody was raised against a 193 amino acid recombinant protein from near the amino terminus of human CD4.
UniProt ID	P01730
MW	Predicted: 51kDObserved: 51-57 kD (Post-modification: 2-4 N-linked glycosylations)
Tested applications	ELISA, IHC-P, WB

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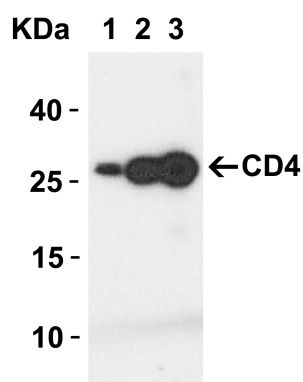
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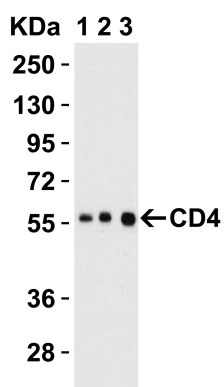
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Application notes	WB: 0.5-4 µg/mL; IHC: 5 µg/mL. Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in human samples. All other applications and species not yet tested.
Antibody Type	Primary Antibody
Clone Number	9H5A8
Modifications	None
Storage	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.
Note	For research use only
NCBI	NP_000607



Western Blot Validation with Human Recombinant Protein. Loading: 5ng (Lane 1), 25ng (Lane 2) and 100ng (Lane 3) of human CD4 recombinant protein. Antibodies: CD4 orb1239267 (1 µg/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution. Observed at around 27kD.



Western Blot Validation in Human Thymus Tissue Lysate. Loading: 15 µg of lysates per lane. Antibodies: CD4 orb1239267 (Lane 1: 0.5 µg/mL, Lane 2: 1 µg/mL and Lane 3: 2 µg/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution.

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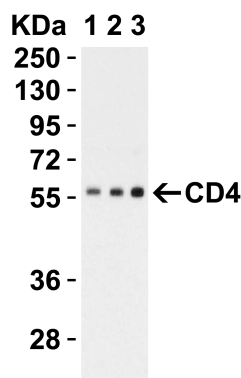
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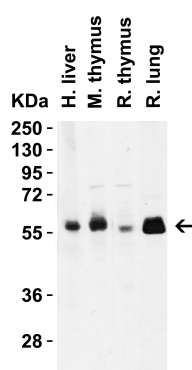
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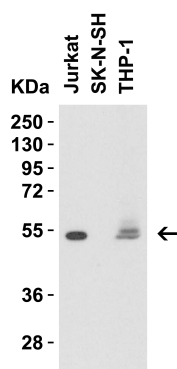
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Western Blot Validation in Human Jurkat Lysate. Loading: 15 μ g of lysates per lane. Antibodies: CD4 orb1239267 (Lane 1: 1 μ g/mL, Lane 2: 2 μ g/mL and Lane 3: 4 μ g/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution.



Western Blot Validation in Human, Mouse and Rat Tissue Lysate. Loading: 15 μ g of lysates per lane. Antibodies: CD4 orb1239267 (1 μ g/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution.



Western Blot Validation in Human Cell Lines. Loading: 15 μ g of lysates per lane. Antibodies: CD4 orb1239267 (4 μ g/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution.

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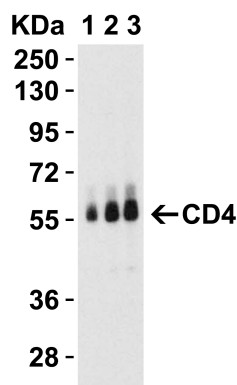
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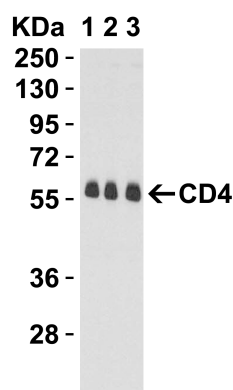
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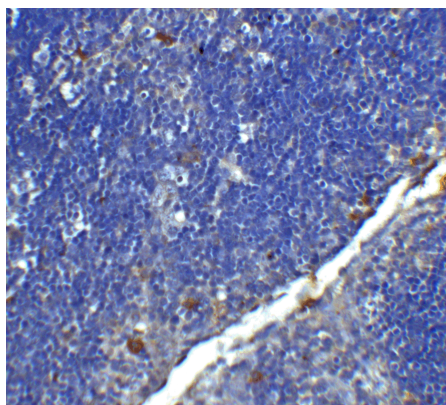
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Western Blot Validation in Mouse Spleen Tissue Lysate. Loading: 15 µg of lysates per lane. Antibodies: CD4 orb1239267 (Lane 1: 1 µg/mL, Lane 2: 2 µg/mL and Lane 3: 4 µg/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution.



Western Blot Validation in Rat Lung Tissue Lysate. Loading: 15 µg of lysates per lane. Antibodies: CD4 orb1239267 (Lane 1: 0.5 µg/mL, Lane 2: 1 µg/mL and Lane 3: 2 µg/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution.



Immunohistochemistry Validation of CD4 in Human Thymus Tissue. Immunohistochemical analysis of paraffin-embedded human thymus tissue using anti-CD4 antibody (orb1239267) at 5 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-mouse IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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