

## Product Datasheet

### Anti-CD54 Antibody (orb1474641)

<b>Description</b>	Rabbit polyclonal antibody to CD54
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	IF, IH, WB
<b>Immunogen</b>	Recombinant protein of human CD54
<b>Target</b>	ICAM1
<b>Preservatives</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
<b>Form/Appearance</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
<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>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Primary Antibody
<b>Source</b>	Rabbit
<b>Uniprot ID</b>	<b>P13597, P05362, Q00238</b>
<b>Entrez</b>	<b>15894, 25464, 3383</b>
<b>Dilution Range</b>	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100)

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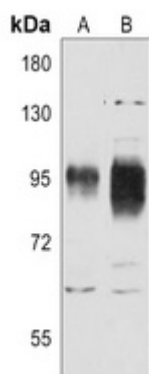
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**Biorbyt LLC.**

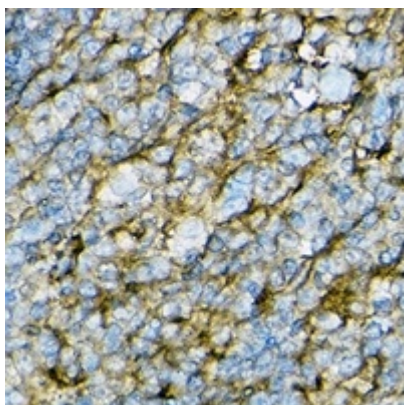
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**Expiration Date**

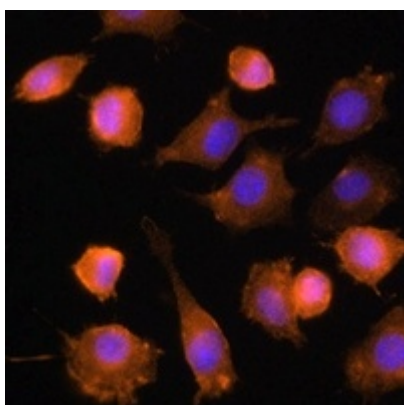
12 months from date of receipt.



Western blot analysis of CD54 expression in A549 IFN- $\alpha$  treated (A), A549 IFN- $\gamma$  treated (B) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 89; 92 kD)



Immunohistochemical analysis of CD54 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CD54 staining in L929 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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