

## Product Datasheet

### IL4R Rabbit Polyclonal Antibody (orb692185)

<b>Catalog Number</b>	orb692185
<b>Category</b>	Antibodies
<b>Description</b>	Anti-IL4R Antibody. Tested in ELISA, Flow Cytometry, IHC applications. This antibody reacts with Mouse, Rat.
<b>Target</b>	Regulating synaptic membrane exocytosis protein 1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Mouse, Rat
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	500 µg/ml
<b>Buffer/Preservatives</b>	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.005mg NaN <sub>3</sub> .
<b>Reconstitution</b>	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
<b>Purification</b>	Immunogen affinity purified.
<b>Immunogen</b>	E.coli-derived rat IL4R recombinant protein (Position: I26-E719).
<b>UniProt ID</b>	<b>Q63257</b>
<b>MW</b>	180 kDa

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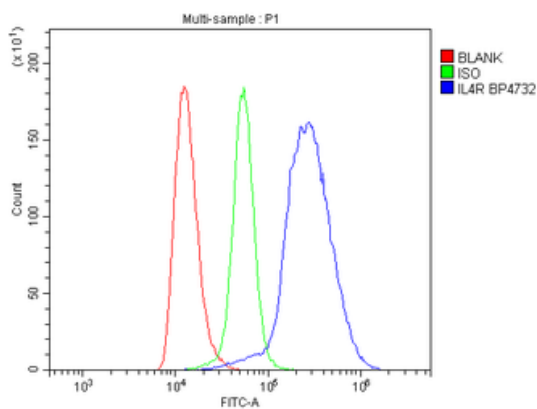
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<b>Tested applications</b>	ELISA, FC, IHC
<b>Dilution range</b>	Immunohistochemistry (Paraffin-embedded Section), 2-5µg/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3µg/1x10 <sup>6</sup> cells, Mouse ELISA, 0.1-0.5µg/ml,
<b>Cross Reactivity</b>	No cross-reactivity with other proteins.
<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>Expiration Date</b>	12 months from date of receipt.



Flow Cytometry analysis of mouse spleen tissue using anti-IL4R antibody. Overlay histogram showing mouse spleen tissue cells (Blue line). The tissue section was fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-IL4R Antibody (1 µg/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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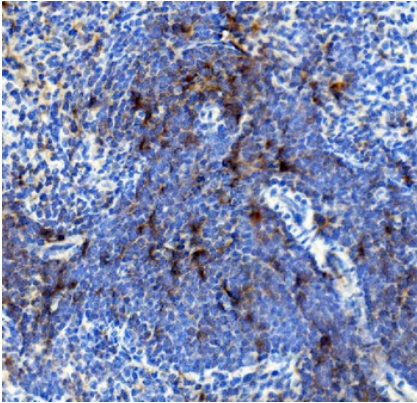
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IHC analysis of IL4R using anti-IL4R antibody. IL4R was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 µg/ml rabbit anti-IL4R Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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