



# IL-10R $\alpha$ (phospho Tyr496) Polyclonal Antibody

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | BYab-12996  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human;Rat;Mouse;  |
| <b>Applications</b>       | WB;ELISA  |
| <b>Gene Name</b>          | IL10RA  |
| <b>Protein Name</b>       | Interleukin-10 receptor subunit alpha   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human IL-10R alpha around the phosphorylation site of Tyr496. AA range:462-511  |
| <b>Specificity</b>        | Phospho-IL-10R $\alpha$ (Y496) Polyclonal Antibody detects endogenous levels of IL-10R $\alpha$ protein only when phosphorylated at Y496.   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.   |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | $\geq 90\%$   |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | IL10RA; IL10R; Interleukin-10 receptor subunit alpha; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; CDw210a; Interleukin-10 receptor subunit 1; IL-10R subunit 1; IL-10R1; CD antigen CD210  |
| <b>Observed Band</b>      | 63kD  |
| <b>Cell Pathway</b>       | Cell membrane ; Single-pass type I membrane protein. Cytoplasm .  |
| <b>Tissue Specificity</b> | Primarily expressed in hematopoietic cells including B-cells, T-cells, NK cells, monocytes and macrophages. Not expressed in non-hematopoietic cells such as fibroblasts or endothelial cells.  |
| <b>Function</b>           | function:Receptor for IL10; binds IL10 with a high affinity.,similarity:Belongs to the type II cytokine receptor family.,tissue specificity:Spleen, thymus, and PBMC. Weak expression in pancreas, skeletal muscle, brain, heart, and kidney. Placenta, lung, and liver showed intermediate levels. Monocytes, B-cells, large granular lymphocytes, and T-cells express high levels., |

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## Background

The protein encoded by this gene is a receptor for interleukin 10. This protein is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2009],

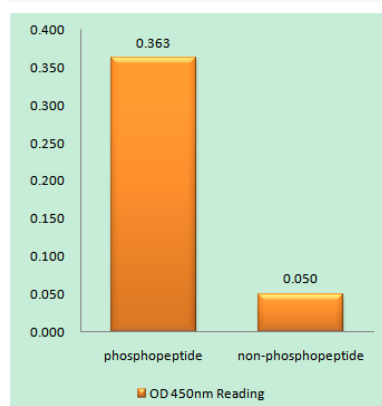
## matters needing attention

Avoid repeated freezing and thawing!

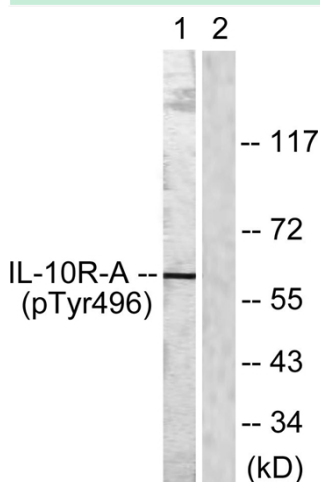
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IL-10R alpha (Phospho-Tyr496) Antibody



Western blot analysis of lysates from HUVEC cells, using IL-10R alpha (Phospho-Tyr496) Antibody. The lane on the right is blocked with the phospho peptide.

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