

## Rabbit anti-Human IL-10R alpha Polyclonal Antibody | anti-IL10RA antibody

Phospho-IL-10R alpha (Tyr496) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA321725 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

IL-10R alpha; Polyclonal Antibody; Phospho-IL-10R alpha (Tyr496) Antibody; CD210; CDw210a; CDw210a antigen; HIL 10R; HIL10R; I10R1\_HUMAN; IL 10R 1; IL 10R A; IL 10R; IL 10R1; IL-10 receptor subunit alpha; IL-10R subunit 1; IL-10R subunit alpha; IL-10R1; IL-10RA; IL10R; IL10R1; IL10RA; Interleukin 10 receptor alpha; Interleukin 10 receptor alpha chain; Interleukin-10 receptor subunit 1; Interleukin-10 receptor subunit alpha; anti-IL10RA antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                   |
| Reactivity                                       | Human                                                                                                                                                                                                                                    |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                               |
| Isotype                                          | IgG                                                                                                                                                                                                                                      |
| Specificity                                      | Phospho-IL-10R alpha (Tyr496) antibody detects endogenous levels of IL-10R alpha only when phosphorylated at Tyrosine 496                                                                                                                |
| Purity/Purification                              | From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.                                                                                                   |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                            |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                                                                                                                                   |
| Sequence Length                                  | 578                                                                                                                                                                                                                                      |
| Applicable Applications for anti-IL10RA antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                             |
| Immunogen                                        | A synthesized peptide derived from human IL-10R alpha around the phosphorylation site of Tyrosine 496                                                                                                                                    |
| Subcellular Location                             | Membrane.                                                                                                                                                                                                                                |
| 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. |
| Predicted Cross Reactivity                       | <b>Pig, Horse, Rabbit, Dog, Chicken</b>                                                                                                                                                                                                  |
| Similarity                                       | Pig (100%), Horse (89%), Rabbit (89%), Dog (100%), Chicken (88%)                                                                                                                                                                         |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                             |
| Epitope                                          | Phospho Tyr496                                                                                                                                                                                                                           |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                                                                        |

IMAGES



**WB (Western Blot)**  
Western blot analysis of Phospho-IL-10R alpha (Tyr496) Antibody expression in HuvEc cells lysates. The lane on the right is treated with the antigen-specific peptide.



**WB (Western Blot)**  
Western blot analysis of IL-10R alpha phosphorylation expression in HuvEc whole cell lysates. The lane on the left is treated with the antigen-specific peptide.



**IF (Immunofluorescence)**  
AAA321725 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-IL10RA antibody</b> | <p>Description: 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.</p> <p>Function: Receptor for IL10; binds IL10 with a high affinity.</p> <p>Similarity: Belongs to the type II cytokine receptor family.</p> |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 222136575                                                                                     |
| NCBI GeneID                      | 3587                                                                                          |
| NCBI Accession #                 | NP_001549.2                                                                                   |
| NCBI GenBank Nucleotide #        | NM_001558.3                                                                                   |
| UniProt Accession #              | Q13651; A8K6I0; B0YJ27                                                                        |
| Molecular Weight                 | Observed: 63 kDa<br>Predicted: 64 kDa                                                         |
| NCBI Official Full Name          | interleukin-10 receptor subunit alpha                                                         |
| NCBI Official Synonym Full Names | interleukin 10 receptor subunit alpha                                                         |
| NCBI Official Symbol             | IL10RA                                                                                        |
| NCBI Official Synonym Symbols    | CD210; IL10R; CD210a; CDW210A; HIL-10R; IL-10R1                                               |
| NCBI Protein Information         | interleukin-10 receptor subunit alpha                                                         |
| UniProt Protein Name             | Interleukin-10 receptor subunit alpha                                                         |
| UniProt Gene Name                | IL10RA                                                                                        |
| UniProt Synonym Gene Names       | IL10R; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R1 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.