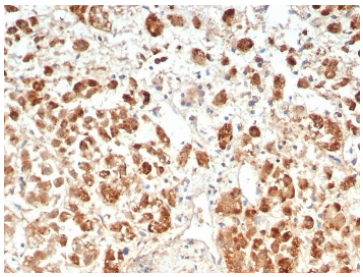
# IL-18R alpha Antibody / IL18R1 [clone IL18R1/7593] (V4904)

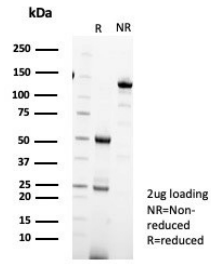
| Catalog No. | Formulation | Size |
|---|---|---|
| V4904-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4904-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4904SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2, kappa |
| **Clone Name** | IL18R1/7593 |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q13478 |
| **Localization** | Membrane |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| **Limitations** | This IL-18R alpha antibody is available for research use only. |



IHC staining of FFPE human adrenal gland tissue with IL-18R alpha antibody (clone IL18R1/7593). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free IL-18R alpha antibody (clone IL18R1/7593) as confirmation of integrity and purity.

## Description

Interleukin-18 (IL-18) has been identified as a molecule that induces IFN-Gamma production and enhances NK cell cytotoxicity. IL-18 receptor (IL-18R) is a type I membrane protein present in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta and heart, and absent from brain, skeletal muscle, pancreas and kidney. IL-18R is present in Hodgkin s disease cell lines, and does not bind IL-1Alpha or IL-1beta. The association of IL-18 to IL-18R leads to activation of NFkB. At present two subunits of IL-18R have been characterized: IL-18RAlpha and IL-18Rbeta. IL-18RAlpha has been described as the ligand-binding chain and IL-18Rbeta as the signal-transduction chain.

## Application Notes

Optimal dilution of the IL-18R alpha antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the IL-18R alpha antibody.

## Storage

Aliquot the IL-18R alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com