

## IL18R1 Antibody

Mouse Monoclonal Antibody [Clone IL18R1/7592]

Catalog No	Format	Size
8809-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
8809-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
8809-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

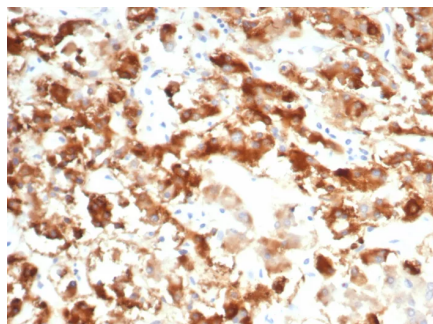
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

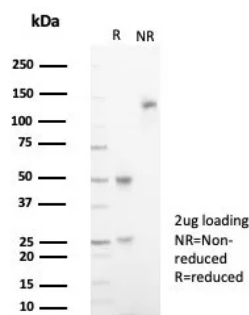
<b>Clone</b>	IL18R1/7592
<b>Gene Name</b>	IL18R1
<b>Immunogen</b>	Recombinant fragment (around aa1-200) of human IL18R1 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	62kDa
<b>Cellular Localization</b>	Membrane.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human lung leukocytes liver or thymus. spleen

\*Optimal dilution for a specific application should be determined.

### Product Images for IL18R1 Antibody



Formalin-fixed, paraffin-embedded human adrenal gland stained with IL18R1 Mouse Monoclonal Antibody (IL18R1/7592). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified IL18R1 Mouse Monoclonal Antibody (IL18R1/7592). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

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-1 $\beta$  or IL-1 $\alpha$ . The association of IL-18 to IL-18R leads to activation of NF- $\kappa$ B. At present two subunits of IL-18R have been characterized: IL-18R $\alpha$  and IL-18R $\beta$ . IL-18R $\alpha$  has been described as the ligand-binding chain and IL-18R $\beta$  as the signal-transduction chain.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

AKT Signaling, Cardiovascular, Cytokine Signaling, Immunology, Mitochondria Marker

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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