



20150126ML

Anti-Mouse IL-20 receptor alpha (#11C42)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M249
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with purified mouse recombinant protein of IL-20 R α extracellular domain. The IgG2 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

Target Background

Synonyms (Target):	IL20ra, E230031K19
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IL-20 R alpha is widely expressed and is detected at high levels in multiple tissues including skin, testis, heart, placenta, salivary gland and prostate gland. The expression of IL-20 R alpha, together with that of IL-20 R beta, is upregulated in psoriatic skin lesions on keratinocytes, immune cells, and endothelial cells. IL-20 R alpha heterodimerizes with IL-20 R beta to form the functional receptor that mediates IL-19, IL-20 and IL-24 signals. IL-20 R alpha also heterodimerizes with IL-10 R beta to form the functional receptor complex for IL-26. Binding of these IL-10 family class II cytokines to their functional receptors induces activation of the JAK-STAT signal transduction pathway. At low ligand concentrations, STAT3 has been shown to be the predominant STAT proteins activated through either complexes.

Database References Target

Protein RefSeq:	NP_766374.1
Uniprot ID:	Q6PHB0
mRNA RefSeq:	NM_172786.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#11C42)
Isotype	IgG1
Purification	Protein A/G chromatography
Antigen	Mouse recombinant EC domain of IL-20 R alpha
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects mouse IL-20 R α in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

Western Blot: 1:500 - 1:1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!