

IL-20RB Monoclonal Antibody (20RNTC), eBioscience™

Product Details

Size	25 µg
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	20RNTC
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Storage conditions	4° C
RRID	AB_1944397

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	1 Publication
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Flow Cytometry (Flow)	1-10 µg/mL	-
Neutralization (Neu)	-	3 Publications

Product Specific Information

Description: This 20RNTC monoclonal antibody recognizes mouse and human IL-20R2 (interleukin-20 receptor 2, IL-20Rb) in either of its two heterodimeric complexes formed by pairing with IL-20R1 or IL-22R1. IL-20R2 belongs to the class II cytokine receptor family that shares a characteristic pattern of cysteine, proline and tryptophan residues in the extracellular domain. IL-20R2 paired with IL-20R1 forms a receptor that binds IL-20, IL-19, or IL-24. IL-20R2 paired with IL22R1 forms a receptor that binds IL-20 or IL-24. The IL-20R complex signals primarily via the JAK-STAT pathway. IL-20R2 is found predominantly on cells of epithelial origin such as gut and skin and can be upregulated during inflammation. Immunofluorescent staining of A375 cells reveals a punctate staining pattern at the cell membrane, as well as diffuse, cytoplasmic staining that is likely associated with protein synthesis and transport in the endoplasmic reticulum and golgi.

Applications Reported: This 20RNTC antibody has been reported for use in immunocytochemistry, immunoblotting (WB) and flow cytometric analysis.

Applications Tested: This 20RNTC antibody has been tested by immunofluorescent staining and flow cytometric analysis of fixed and permeabilized A375 cells. This can be used between 1-10 µg/mL.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Western Blot (1)

<p>PloS one</p> <p>Interleukin-19 acts as a negative autocrine regulator of activated microglia.</p> <p>"14-1206 was used in Western Blotting to demonstrate that interleukin-19 is an anti-inflammatory cytokine, produced by activated microglia, that acts negatively on microglia in an autocrine manner."</p> <p>Authors: Horiuchi H,Parajuli B,Wang Y,Azuma YT,Mizuno T,Takeuchi H,Suzumura A</p>	<p>Year 2015</p> <p>Species Mouse</p>
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Immunohistochemistry (2)

<p>Nature communications</p> <p>IL-20 antagonist suppresses PD-L1 expression and prolongs survival in pancreatic cancer models.</p> <p>"14-1206 was used in Immunohistochemistry to report that elevated IL-20 levels in tumor tissue correlate with poor overall survival in 72 patients with pancreatic ductal adenocarcinoma (PDAC)."</p> <p>Authors: Lu SW,Pan HC,Hsu YH,Chang KC,Wu LW,Chen WY,Chang MS</p>	<p>Year 2020</p> <p>Species Human</p>
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<p>EBioMedicine</p> <p>Production of Interleukin-20 cytokines limits bacterial clearance and lung inflammation during infection by Streptococcus pneumoniae.</p> <p>"14-1206 was used in Immunohistochemistry to highlights the implication of IL-20 related cytokines during lung infection by S. pneumoniae and might have therapeutic applications in cases of bacterial pneumonia."</p> <p>Authors: Madouri F,Barada O,Kervoeze G,Trottein F,Pichavant M,Gosset P</p>	<p>Year 2018</p> <p>Species Mouse</p>
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Neutralization (3)

<p>EBioMedicine</p> <p>Production of Interleukin-20 cytokines limits bacterial clearance and lung inflammation during infection by Streptococcus pneumoniae.</p> <p>"14-1206 was used in Immunohistochemistry to highlights the implication of IL-20 related cytokines during lung infection by S. pneumoniae and might have therapeutic applications in cases of bacterial pneumonia."</p> <p>Authors: Madouri F,Barada O,Kervoeze G,Trottein F,Pichavant M,Gosset P</p>	<p>Year 2018</p> <p>Species Mouse</p>
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