

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

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	20RNTC
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C
RRID	AB_1944396

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	1 Publication
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.

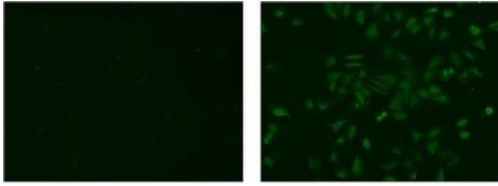
**Applications Tested:** This 20RNTC antibody has been tested by immunofluorescent staining and flow cytometric analysis of fixed and permeabilized A375 cells. This can be used between 1-10 µg/mL.

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

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

**Filtration:** 0.2 µm post-manufacturing filtered.

## Product Images For IL-20RB Monoclonal Antibody (20RNTC), eBioscience™



### IL-20RB Antibody (14-1206-82) in ICC/IF

Immunofluorescent microscopy of fixed and permeabilized A375 cells using 10 µg/mL of Anti-Human/Mouse IL-20 Receptor 2 (IL-20Rb) Purified (right) or Rat IgG2a kappa Isotype Control Purified (Product # 14-4321-82) (left) followed by Anti-Rat IgG Biotin (Product # 13-4813-85) and then Streptavidin FITC (Product # 11-4317-87).

## 7 References

### Western Blot (1)

PloS one

#### Interleukin-19 acts as a negative autocrine regulator of activated microglia.

"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."

Authors: Horiuchi H,Parajuli B,Wang Y,Azuma YT,Mizuno T,Takeuchi H,Suzumura A

Year  
2015

Species  
Mouse

### Immunohistochemistry (2)

Nature communications

#### IL-20 antagonist suppresses PD-L1 expression and prolongs survival in pancreatic cancer models.

"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)."

Authors: Lu SW,Pan HC,Hsu YH,Chang KC,Wu LW,Chen WY,Chang MS

Year  
2020

Species  
Human

EBioMedicine

#### Production of Interleukin-20 cytokines limits bacterial clearance and lung inflammation during infection by Streptococcus pneumoniae.

"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."

Authors: Madouri F,Barada O,Kervoaze G,Trottein F,Pichavant M,Gosset P

Year  
2018

Species  
Mouse

### Flow Cytometry (1)

iScience

#### IL-24 is the key effector of Th9 cell-mediated tumor immunotherapy.

"14-1206-82 was used in Flow Cytometry to identify IL-24 as a powerful antitumor effector of Th9 cells and provide a target in Th9 cell-mediated tumor therapy."

Authors: Chen J,Zhang Y,Zhang H,Zhang M,Dong H,Qin T,Gao S,Wang S

Year  
2023

Species  
Mouse

## More applications with references on thermofisher.cn

## Neu (3)

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