

# Product Datasheet

## CCL5/RANTES Antibody (53405.111) - Azide and BSA Free NB120-10394

Unit Size: 0.1 mg

Store at -20C as supplied. After reconstitution, store at 2C to 8C for 1 month and at -20 for long term storage. Avoid repeated freeze-thaw cycles.

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**NB120-10394**

CCL5/RANTES Antibody (53405.111) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C as supplied. After reconstitution, store at 2C to 8C for 1 month and at -20 for long term storage. Avoid repeated freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	53405.111
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS and 5% Trehalose pH 7.4
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rat CCL5/RANTES Antibody (53405.111) - Azide and BSA Free (NB120-10394) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-CCL5/RANTES Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rat
<b>Gene ID</b>	6352
<b>Gene Symbol</b>	CCL5
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	RANTES (53405.111)
<b>Immunogen</b>	Recombinant full length protein (Mouse) expressed in E.coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 8-25 ug/ml
<b>Application Notes</b>	ELISA: Use at a concentration of 0.5 - 2 ug/ml. The detection limit for mouse RANTES is approximately 50. From ELISA, this antibody shows ~50% cross-reactivity with recombinant human RANTES. Use in ICC/IF was reported in scientific literature (PMID: 31760088). Neutralization : Monoclonal Anti-RANTES is measured by its ability to neutralize the biological activity of recombinant mouse RANTES. This antibody will also neutralize the bioactivity of recombinant human RANTES when used at 100x higher IgG concentration.



## Publications

Liu Q, Li S, Yu L et al. CCL5 Suppresses Klotho Expression via p-STAT3/DNA Methyltransferase1-Mediated Promoter Hypermethylation *Frontiers in Physiology* 2022-03-01 [PMID: 35299661] (Immunocytochemistry/Immunofluorescence, Human)

Liu T, Liu S, Rui X et al. Gasdermin B, an asthma-susceptibility gene, promotes MAVS-TBK1 signalling and airway inflammation. *The European respiratory journal* 2024-05-02 [PMID: 38514093]

Upmanyu N, Buldan A, Failing K, Scheiner-Bobis G DHEAS prevents pro-metastatic and proliferative effects of 17 beta-estradiol on MCF-7 breast cancer cells *Biochim Biophys Acta Mol Cell Res* 2019-11-21 [PMID: 31760088] (ICC/IF, Human)





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### **Products Related to NB120-10394**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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