

Product Datasheet

CCR10/GPR2 Antibody NB100-56319

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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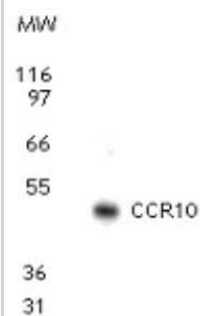
NB100-56319**CCR10/GPR2 Antibody**

| Product Information | |
|------------------------------------|---|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | Protein G purified |
| Buffer | PBS with 0.2% BSA |
| Product Description | |
| Host | Rabbit |
| Gene ID | 2826 |
| Gene Symbol | CCR10 |
| Species | Human |
| Reactivity Notes | Predicted to react with Mouse. |
| Immunogen | Rabbit anti-CCR10 polyclonal antibody was raised against a peptide corresponding to amino acids 350-362 of human CCR10. In this region, mouse and human amino acid sequences are 100% identical. |
| Product Application Details | |
| Applications | Western Blot, Simple Western, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Frozen |
| Recommended Dilutions | Western Blot 1-2 ug/ml, Simple Western 1:50, Flow Cytometry 1:10-1:1000, Immunohistochemistry, Immunohistochemistry-Frozen 1:10-1:2000. Use reported in scientific literature (Vestergaard et al (2003)), Flow (Cell Surface), Flow (Intracellular) reported in scientific literature (PMID 15663561) |
| Application Notes | <p>In A375, a ~50 kDa band is observed. The CCR10 antibody is made against an epitope in the cytoplasmic domain of the receptor (Moed et al, 2004). For flow cytometry (intracellular) Moed et al fixed cells with 2% formaldehyde and permeabilized with 0.1% saponin.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See Simple Western Antibody Database for Simple Western validation: Tested in MCF-7 lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 39 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> |



Images

Western Blot: CCR10/GPR2 Antibody [NB100-56319] - Analysis for GPR2/CCR10 using NB100-56319 at 2 ug/ml dilution against 10 ug of MCF-7 (a human breast cancer cell line) cell lysate.



Simple Western: CCR10/GPR2 Antibody [NB100-56319] - Simple Western lane view shows a specific band for CCR10 in 0.5 mg/ml of MCF-7 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

T Karnezis, R Farnsworth, NC Harris, SP Williams, C Caesar, DJ Byrne, P Herle, ML Macheda, R Shayan, YF Zhang, S Yazar, SJ Takouridis, C Gerard, S Fox, MG Achen, SA Stacker CCL27/CCL28-CCR10 CHEMOKINE SIGNALING MEDIATES MIGRATION OF LYMPHATIC ENDOTHELIAL CELLS Cancer Res., 2019-02-01;0(0):. 2019-02-01 [PMID: 30709930]

Moed H, Boorsma DM, Stoof TJ et al. Nickel-responding T cells are CD4+ CLA+ CD45RO+ and express chemokine receptors CXCR3, CCR4 and CCR10. Br J Dermatol. 2004-07-01 [PMID: 15270870] (Flow - IC, Human)

Details:

Flow (Intracellular): human PMBC from nickel-allergic patients (Fig 6).

Sell H, Dietze-Schroeder D, Kaiser U, Eckel J. Monocyte chemotactic protein-1 is a potential player in the negative cross-talk between adipose tissue and skeletal muscle. Endocrinology. 2006-05-01 [PMID: 16439461] (WB, Human)

Details:

WB: CCR4 (IMG-332) and CCR10 (IMG-286): human skeletal muscle cells and adipocytes (Fig 3).

Moed H, Boorsma DM, Tensen CP et al. Increased CCL27-CCR10 expression in allergic contact dermatitis: implications for local skin memory. J Pathol. 2004-09-01 [PMID: 15307136] (IHC-Fr, Human)

Details:

IHC-F (human skin biopsies from patients with allergic contact dermatitis): Tables 2,3; Fig. 5.

Rodrigues-Lisoni FC, Mehet DK, Peitl P Jr et al. In vitro and in vivo studies on CCR10 regulation by Annexin A1. FEBS Lett. 2006-02-20 [PMID: 16460738] (WB)

Details:

WB (human Hep-2 cells): Fig 3a.

Moed H, Stoof TJ, Boorsma DM et al. Identification of anti-inflammatory drugs according to their capacity to suppress type-1 and type-2 T cell profiles. Clin Exp Allergy. 2004-12-01 [PMID: 15663561] (Flow - IC, Human)

Details:

Flow (Intracellular): human PBMC from nickel-allergic patients (Figs 1B, 2B, 3B).

Vestergaard C, Deleuran M, Gesser B et al. Expression of the T-helper 2-specific chemokine receptor CCR4 on CCR10-positive lymphocytes in atopic dermatitis skin but not in psoriasis skin. Br J Dermatol. 2003-09-01 [PMID: 14510975] (IHC-Fr, Human)

Details:

IHC-F (human skin biopsies from patients with atopic dermatitis and psoriasis): Figs 1 and 2, Table 1.



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Products Related to NB100-56319

| | |
|------------|---|
| NBL1-08888 | CCR10/GPR2 Overexpression Lysate |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

Limitations

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