GEArray Q series Mouse Chemokines and Receptors Gene Array

Cat. No. (Rad / Non-Rad)*	Kit Size
MM-005-02 / MM-005N-02	2 Arrays
MM-005-04 / MM-005N-04	4 Arrays
MM-005-12 / MM-005N-12	12 Arrays

Description

Each GEArray Q series Mouse Chemokines and Receptors Gene Array contains 67 chemokine and chemokine receptor genes. The regulation of chemokine and chemokine receptor expression plays fundamental roles in the development, homeostasis, and function of immune system. It is also evident they function in other cell types, such as endothelial cells and cells of the nervous system. Through a simple side-by-side hybridization, you can determine the expression profile of these chemokine and their receptor genes by using your experimental RNA samples and the array and reagents provided in the kit.

Functional Gene Grouping

Small Inducible Cytokines:

Subfamily A (Cys-Cys): Scya1 (TCA3), Scya2 (JE), Scya3 (MIP-1α), Scya4 (MIP-1β), Scya5 (RANTES), Scya6 (C10), Scya7 (MARC), Scya8 (MCP-2), Scya9 (MRP-2/ MIP-1r), Scya11 (eotaxin), Scya12 (mcp-5), Scya17 (TARC / ABCD-2), Scya19 (MIP-3β/ ELC), Scya20 (MIP-3α/ LARC), Scya21a (6Ckine/ SLC/ exodus-2), Scya22 (MDC / ABCD-1) Scya24 (CCL24 / MPIF-2 / eotaxin-2), Scya25 (TECK), Scya27 (ALP / mILC), Scya28 (MEC/CCL28)

Subfamily B (Cys-X-Cys): Cxcl16 (SR-PSOX), Gro1, Scyb2 (MIP2), Scyb5 (LIX/GCP-2/ENA78), Scyb9 (Mig), Scyb10 (IP-10), Scyb11, Scyb13 (BLC / angie2), Scyb14 (Kec/Bmac /MIP-2g), Scyb15

Other Subfamily Members: Scyc1 (Lptn / lymphotactin), Scyd1 (fractalkine / neurotactin)

Chemokine Receptors: Blr1, Ccxcr1 (mXCR1), Cmkar3 (CXCR3), Cmkar4 (CXCR4), Cmkbr1 (CCR-1), Cmkbr1l1, Cmkbr1l2, Cmkbr2, Cmkbr3, Cmkbr4, Cmkbr5, Cmkbr6 (CCR6), Cmkbr7 (EBI1), Cmkbr8 (CCR8), Cmkbr9 (GPR2), Cmkbr10, Cmkor1, Cx3cr1, Cxcr6, D6-pending, IL8rb (Cmkar2), Ltb4r2, Pumag, Tapbp

Other Related Genes: Dfy, Emap2, Epo, Ifna11, Ifnab, Pf4, Ppbp, Human PRL homolog, Sdf1, Sdf2, Tcp10

References

1. Sallusto F, Mackay CR, Lanzavecchia A (2000) The Role Of Chemokine Receptors In Primary, Effector, And Memeory Immune Responses. *Annu. Rev. Immunol* **18**: 593-620.
2. Rossi D, Zlotnik A (2000) The Biology of Chemokines And Their Receptors. *Annu. Rev. Immunol* **18**: 217-242.
3. Zlotnik A, Yoshie O (2000) Chemokines: A New Classification System And Their Role In Immunity. *Immunity* **12**: 121-127.
4. Krishna Vaddi, Margaret Keller, Robert C. Newton, editors. (1997) *The Chemokine Facts Book* Academic Press.
5. James J Campbell and Eugene C Butcher (2000) Chemokines In Tissue-Specific And Microenvironment-Specific Lymphocyte Homing. *Current Opinion in Immunology* **12**:336-341.

*When ordering, please specify Rad or Non-rad, kit size and price.