

Oligo GEArray® Mouse Chemokines and Receptors Microarray

HybTube Format Cat. No. [OMM-022](#)
HybPlate Format Cat. No. [EMM-022](#)

Description

The Oligo GEArray® Mouse Chemokines & Receptors Microarray profiles the expression of 114 genes related to chemokines and their regulation. This array includes all of the subfamilies of small inducible cytokines. The C-C motif chemokine ligands are represented along with their receptors. The C-X-C motif chemokine ligands and receptors are also included. Other genes playing a role in regulating chemokines and their receptors are also contained in this array. Through a simple side-by-side hybridization experiment you can determine differential gene expression between your samples.

Functional Gene Groupings

Chemokine (C-C Motif) Ligands: Ccl1 (Scya1 / TCA3), Ccl2 (Scya2 / JE), Ccl3 (Scya3 / MIP-1 α), Ccl4 (Scya4 / MIP-1 β), Ccl5 (Scya5 / RANTES), Ccl6 (Scya6 / C10), Ccl7 (Scya7 / MARC), Ccl8 (Scya8 / MCP-2), Ccl9 (Scya9 / MRP-2 / MIP-1r), Ccl11 (Scya11 / eotaxin), Ccl12 (Scya12 / mcp-5), Ccl17 (Scya17 / TARC / ABCD-2), Ccl19 (Scya19 / MIP-3 β / ELC), Ccl20 (Scya20 / MIP-3 α / LARC), Ccl21a (Scya21 / SLC / exodus-2), Ccl22 (Scya22 / MDC / ABCD-1), Ccl24 (Scya24 / MPIF-2 / eotaxin-2), Ccl25 (Scya25, TECK), Ccl27 (Scya27 / ALP / mILC), Ccl28 (Scya28 / MEC).

Chemokine (C-X-C Motif) Ligands: Cxcl1 (Scyb1), Cxcl2 (Scyb2 / MIP2), Cxcl4 (Scyb4), Cxcl5 (Scyb5 / Scyb6 / LIX / GCP-2 / ENA-78), Cxcl9 (Scyb9, Mig), Cxcl10 (Scyb10 / IP-10), Cxcl11 (Scyb11), Cxcl12 (Scyb12), Cxcl13 (Scyb13 / angie2 / BLC), Cxcl14 (Scyb14 / Kec / Bmac / MIP-2g), Cxcl15 (Scyb15), Cxcl16 (SR-PSOX).

Chemokine (C-C Motif) Receptors: Ccr1, Ccr11, Ccr2, Ccr3, Ccr4, Ccr5, Ccr6 (Cmkbr6), Ccr7, Ccr8 (Cmkbr8), Ccr9, Ccr11, Ccr12.

Chemokine (C-X-C Motif) Receptors: Blr1, Cxcr3 (Cmkar3), Cxcr4 (Cmkar4), Cxcr6, Cyfp2.

Other Chemokines and Related Genes: Agtr1, Arts1, Bdnf, Bmp10, Bmp15, Bmp6, Ccbp2, Cklfsf2a, Cklfsf2b, Cklfsf3, Cklfsf4, Cklfsf5, Cklfsf6, Cklfsf7, Cklfsf8, Cmk1r1, Cmkor1, Csf1, Csf2, Csf3, Cx3cl1 (Scyd1 / fractalkine / neurotactin), Cx3cr1, Cxcl7, Dfy, Ecgf1, Epo, Gdf5, Gpr109b, Gpr2 (Cmkbr9), Gpr77, Gpr81, Hc, Hif1a, Il13, Il16, Il18, Il1a, Il4, Il8ra, Il8rb (Cmkar2), Inha, Inhbb, Lif, Lmt1, Ltb4r2, Mmp2, Mmp7, Myd88, Nfkb1, Prl, Rgs13, Rgs3, Scye1, Sdf2, Slit2, Tapbp, Tc10b, Tlr2, Tlr4, Tnf, Tnfrsf1a, Tnfsf14, Trem1, Xcl1 (Scyc1 / lymphotactin / Lptn), Xcr1 (Ccxcr1).

Storage Conditions

Please check the kit components immediately after you receive this package. SuperArray is only responsible for missing items reported within two (2) business days of receipt.

GEArray microarrays are shipped at ambient temperature enclosed in either a HybTube or ExpressPak Storage Box. They should be stored at -20°C upon receipt.

References

1. Sallusto F, Mackay CR, Lanzavecchia A (2000) The Role Of Chemokine Receptors In Primary, Effector, and Memory 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.

