

Chemokines: novel targets for breast cancer metastasis.

Simi Ali, Gwendal Lazennec

► **To cite this version:**

Simi Ali, Gwendal Lazennec. Chemokines: novel targets for breast cancer metastasis.. *CANCER AND METASTASIS REVIEW*, 2007, 26 (3-4), pp.401-420. 10.1007/s10555-007-9073-z . inserm-00168311

HAL Id: inserm-00168311

<https://www.hal.inserm.fr/inserm-00168311>

Submitted on 27 Aug 2007

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

New	Human ligand	Chromosome	Mouse ligand	Chromosome	Receptor(s)
CXC Chemokines					
CXCL1	GRO α / MGSA α	4q13.3	GRO//KC	5qE2	CXCR2, CXCR1
CXCL2	GRO β /MGSA β	4q13.3	MIP-2	5qE2	CXCR2
CXCL3	GRO γ	4q13.3	Dcip	5qE2	CXCR2
CXCL4	PF4	4q13.3	PF4	5qE2	CXCR3B
CXCL4V1		4q13.3			
CXCL5	ENA-78	4q13.3	LIX	5qE2	CXCR2
CXCL6	GCP-2	4q13.3			CXCR1, CXCR2
CXCL7	NAP-2	4q13.3	Ppbb	5qE2	CXCR2
CXCL8	IL-8	4q13.3			CXCR1, CXCR2
CXCL9	MIG	4q21.1	MIG	5qE3	CXCR3, CXCR3B
CXCL10	IP-10	4q21.1	IP-10	5qE3	CXCR3, CXCR3B
CXCL11	I-TAC	4q21.1	I-TAC	5qE3	CXCR3, CXCR3B, CXCR7
CXCL12	SDF-1 α/β	10q11.21	SDF-1 α/β	6qF1	CXCR4, CXCR7
CXCL13	BLC, BCA-1	4q21.1	BLC, BCA-1	5qE3	CXCR5
CXCL14	BRAK, Bolckine	5q31.1	BRAK, Bolckine	13qB2	Unknown
CXCL15	Unknown		Lungkine	5qE2	Unknown
CXCL16		17p13.2	CXCL16	11qB4	CXCR6
CXCL17	DMC	19q13.2	DMC	7qA3	unknown
CC Chemokines					
CCL1	I-309	17q11.2	TCA-3	11qB5	CCR8
CCL2	MCP-1/MCAF/TDCF	17q11.2	JE	11qB5	CCR2
CCL3	MIP-1 α / LD78 α	17q11.2	MPI-1 α	11qB5	CCR1, CCR5
CCL3L1	LD78 β	17q12			
CCL3L3	LD78 β	17q12			
CCL4	MIP-1 β	17q12	MIP-1 β	11qB5	CCR5
CCL4L1	AT744.2	17q12			
CCL4L2		17q12			
CCL5	RANTES	17q12	RANTES	11qB5	CCR1, CCR3, CCR5
CCL7	MCP-3	17q11.2	MARC	11qB5	CCR1, CCR2, CCR3

CCL8	MCP-2	17q11.2	MCP-2, MCP-5	11qB5	CCR1, CCR2, CCR3, CCR5
CCL11	Eotaxin	17q11.2	Eotaxin	11qB5	CCR3
CCL13	MCP-4	17q11.2	unknown		CCR1, CCR2, CCR3
CCL14	HCC-1	17q12	unknown		CCR1
CCL15	HCC-2/ LKN1/ MIP-1 γ	17q12	CCL9, MMRP2, MIP-1 γ	11qB5	CCR1, CCR3
CCL16	HCC-4/ LEC/ LCC-1	17q12	pseudogene	11qB5	CCR1, CCR2, CCR5, HRH4
CCL17	TARC	16q13	TARC	8qC5	CCR4
CCL18	DC-CK 1/ PARC/ AMAC-1	17q12	pseudogene		Unknown
CCL19	MIP-3 β / ELC/exodus-3	9p13.3	MIP-13 β	4qB1	CCR7
CCL20	MIP-3 α / LARC/ exodus-1	2q36.3	MIP- α / LARC	1qC5	CCR6
CCL21	SLC/6CKine/ SLC/ exodus-2	9p13.3	CCL21a, b, C/ SLC	4qB1	CCR7
CCL22	MDC/ STCP-1	16q13	ABCD-1	8qC5	CCR4
CCL23	MPIF/ CK β 8/ CK β 8-1	17q12	CCL6/ C10	11qB5	CCR1
CCL24	Eotaxin-2/ MPIF-2	7q11.23	Eotaxin-2	5qG1	CCR3
CCL25	TECK	19p13.2	TECK	8qA1.2	CCR9
CCL26	Eotaxin-3	7q11.23	CCL26I/Eotaxin-3-like	5qG1	CCR3
CCL27	CTACK/ ILC	9p13.3	CCL27a,b/CTACK/ ILC	4qB1	CCR10
CCL28	MEC	5p12	MEC	13	CCR3, CCR10
C Chemokines					
XCL1	Lymphotactin/ATAC/SCM-1 α	1q24.2	Lymphotactin	1qH2	XCR1
XCL2	SCM-1 β	1q24.2			XCR1
CX₃C Chemokine					
CX ₃ CL1	Fractalkine	16q13	Fractalkine	8qC5	CX3CR1

Table 1. Chemokine and receptor nomenclature.