

**DATASHEET**

**CD184 Mouse Monoclonal Antibody(12G5)**

CAT. NO. AMA03678

**KEY FEATURES**

Target	CD184	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2a kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.	Storage	at-20°C

**BACKGROUND**

Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces a signal by increasing intracellular calcium ion levels and enhancing MAPK1/MAPK3 activation . Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase . CXCR4 is coupled to G(i) G alpha proteins and mediates inhibition of adenylate cyclase . Involved in the AKT signaling cascade . Plays a role in regulation of cell migration, e.g. during wound healing . Also acts as a receptor for extracellular ubiquitin; leading to enhanced intracellular calcium ions and reduced cellular cAMP levels .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

**PRODUCT OVERVIEW**

Description	Mouse monoclonal antibody to CD184
Specificity	Recognizes human CD184
Antibody Type	Primary antibody
Immunogen	CP-MAC-infected Sup-T1 cells
Purification	The antibody was purified by affinity chromatography.
Form/Buffer	Mouse IgG2a kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Alternative Names	C-X-C chemokine receptor type 4; CXC-R4; CXCR-4; FB22; Fusin; HM89; LCR1; Leukocyte-derived seven transmembrane domain receptor; LESTR; Lipopolysaccharide-associated protein 3; LAP-3; LPS-associated protein 3; NPYRL; Stromal cell-derived factor 1 receptor; SDF-1 receptor; CD184
Gene Symbol	CXCR4
Entrez Gene	7852(Human)
SwissProt	P61073(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**| DATA****| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**| NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.