

## Product datasheet for **TA591091**

### CXCR4 Mouse Monoclonal Antibody [Clone ID: 772AA17]

#### Product data:

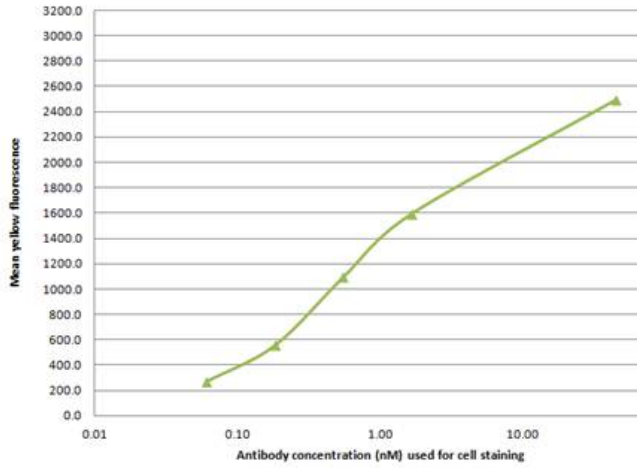
Product Type:	Primary Antibodies
Clone Name:	772AA17
Applications:	FC
Recommended Dilution:	Use at 0.1-1ug/ml. Flow
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	A near-full length cDNA gene (cytoplasmic C-terminus partially truncated) delivered by DNA immunization
Formulation:	PBS with 50% glycerol and 0.05% azide
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	C-X-C motif chemokine receptor 4
Database Link:	<a href="#">NP_003458</a> <a href="#">Entrez Gene 7852 Human</a> <a href="#">P61073</a>
Background:	SDF1 receptor
Synonyms:	CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPYY3R; WHIM
Note:	Epitope extracellular loop 2. This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). <a href="#">Learn about GAT</a>
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane



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**Protein Pathways:** Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Leukocyte transendothelial migration

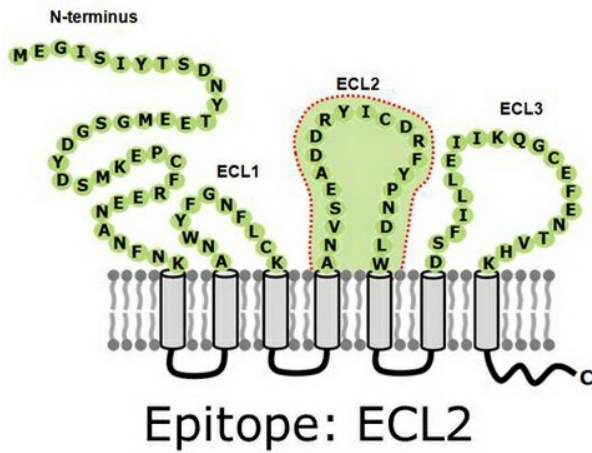
**Product images:**



Titration of CXCR4 antibody 772AA17 on Jurkat cells in flow cytometry

Clone name	Flow Cytometry			
	Jurkat	HEK 293	Ramos	CEM
AA17	++	+++	++	+++

Relative staining of different cell types in flow cytometry



Epitopes were defined by homologous scanning mutagenesis using human-mouse CXCR4 chimeras. Note: this method defines the key contact points and the complete set of contacts will likely be broader.