Product datasheet for TA591093

CXCR4 Mouse Monoclonal Antibody [Clone ID: 772X132]

Product data:
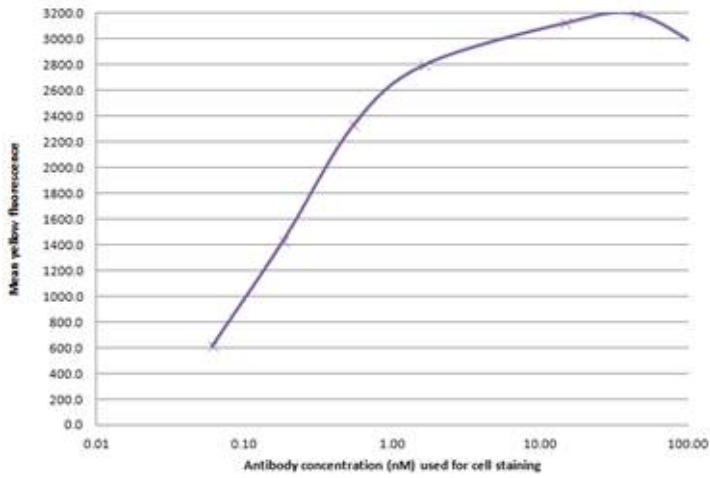
Product Type:	Primary Antibodies
Clone Name:	772X132
Applications:	FC
Recommended Dilution:	Use at 0.1-1ug/ml. Flow , Antagonist
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A near-full length cDNA gene (cytoplasmic C-terminus partially truncated) delivered by DNA immunization
Formulation:	PBS with 50% glycerol and 0.05% azide
Concentration:	0.5mg/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:	NP_003458 Entrez Gene 7852 Human P61073
Background:	SDF1 receptor
Synonyms:	CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPYY3R; WHIM
Note:	Epitope extracellular loop 2 & N-terminus. This antibody was generated by SDIX's Genomic Antibody Technology ® (GAT). Learn about GAT
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
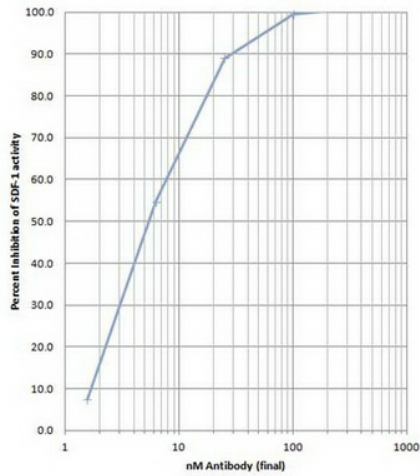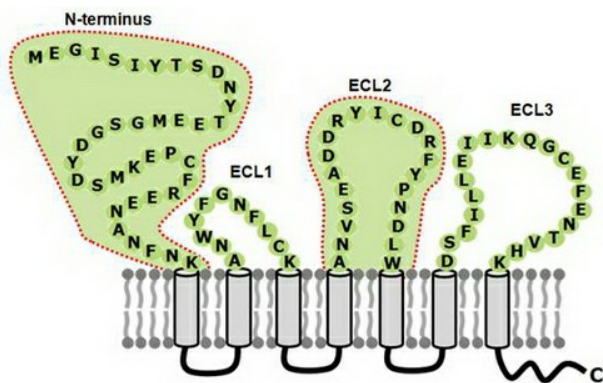
Product images:

Titration of CXCR4 antibody 772X132 on Jurkat cells in flow cytometry

Clone name	Flow Cytometry			
	Jurkat	HEK 293	Ramos	CEM
X132	+++	+++	++	+++

Relative staining of different cell types in flow cytometry

Antagonist activity of CXCR4 antibody clone 772X132

Epitope: N-terminus-ECL2

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.