

Polyclonal Antibody to CXCL12 / SDF1 (alpha) - Biotin

Alternate names:	C-X-C motif chemokine 12, IRH, Interkrine reduced in hepatomas, PBSF, Pre-B cell growth-stimulating factor, SDF1A, SDF1B, Stromal cell-derived factor 1, HIRH
Catalog No.:	AP33448BT-S
Quantity:	25 µg
Background:	<p>SDF1 alpha and 1 beta are small cytokines that belong to the interkrine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF or IL1.</p> <p>SDF1 alpha has been shown to be chemotactic for lymphocytes and is recently reported to be a ligand for CXCR4 (LESTR/fusin), a co-receptor for HIV1 entry into T cells. SDF-1 binding to CXCR4 inhibits HIV1 entry.</p>
Uniprot ID:	Q9QZD1
NCBI:	NP_071513.1
GeneID:	24772
Host:	Rabbit
Immunogen:	Highly pure (>98%) E.coli derived recombinant Rat SDF1-alpha (CXCL12) <i>Cat. -No</i> AR08009PU
Format:	<p>State: Lyophilized (sterile filtered) purified Ig fraction</p> <p>Purification: Affinity Chromatography</p> <p>Buffer System: PBS, pH 7.2 without preservatives</p> <p>Label: Biotin</p> <p>Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.</p>
Applications:	<p>Direct ELISA: Using 100 µl/well antibody solution, a concentration of ~1.0 µg/ml is required. This biotinylated polyclonal antibody allows the detection of at least 0.2-0.4 ng/well of recombinant Rat SDF-1-alpha.</p> <p>Sandwich ELISA: Using 100 µl/well antibody solution, a concentration of 0.25-1.0 µg/ml is required. In conjunction with Purified Anti-Rat SDF1-alpha (<i>Cat. -No</i> AP33448PU) as a Capture antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Rat SDF1-alpha.</p> <p>Western Blot: 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat SDF-1α is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody detects Rat Stromal Cell Derived Factor-1 alpha. Other species not tested.
Add. Information:	Centrifuge vial prior to opening!

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.