

PP1005P2**Polyclonal Antibody to 6CKine / CCL21 - Aff - Purified****Alternate names:**

Beta chemokine Exodus-2, CCL-21, SCYA21, SLC, Secondary lymphoid-tissue chemokine, Small-inducible cytokine A21

Quantity:

0.1 mg

Background:

Exodus 2 is one of several CC cytokine genes clustered on the p arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterised by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 (CCR7) that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19).

Uniprot ID:

[Q00585](#)

NCBI:

[NP_002980.1](#)

GeneID:

[6366](#)

Host:

Rabbit

Immunogen:

Highly pure (>98%) 12.2 kDa E.coli derived recombinant Human Exodus-2.

Format:

State: Lyophilized purified Ig fraction.

Purification: Affinity Chromatography.

Buffer System: PBS, pH 7.2 without preservatives.

Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.

Applications:

Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Human Exodus-2 (100.0 ng/ml), a concentration of 6.0-8.0 µg/ml of this antibody is required.

Indirect ELISA: To detect Human Exodus-2 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human Exodus-2.

Sandwich ELISA: To detect Human Exodus-2 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human Exodus-2 (PP1005B1 or PP1005B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human Exodus-2.

Western Blot: To detect Human Exodus-2 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human Exodus-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	This antibody recognizes Human Exodus-2.
Species Reactivity:	Tested: Human.
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.
General Readings:	<ol style="list-style-type: none">1. Steiniger B, Rüttinger L, Barth PJ. The three-dimensional structure of human splenic white pulp compartments. <i>J Histochem Cytochem.</i> 2003 May;51(5):655-64. PubMed PMID: 12704213.2. Kriehuber E, Breiteneder-Geleff S, Groeger M, Soleiman A, Schoppmann SF, Stingl G, et al. Isolation and characterization of dermal lymphatic and blood endothelial cells reveal stable and functionally specialized cell lineages. <i>J Exp Med.</i> 2001 Sep 17;194(6):797-808. PubMed PMID: 11560995.