

PP021P1**Polyclonal Antibody to 6Ckine / CCL21a - Aff - Purified****Alternate names:**

Beta chemokine exodus-2, C-C motif chemokine 21a, Scya21a, Small-inducible cytokine A21a, TCA-4, TCA4, Thymus-derived chemotactic agent 4

Quantity:

50 µg

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:

[P84443](#)

NCBI:

[NP_035465.2](#)

GeneID:

[100041504](#)

Host:

Rabbit

Immunogen:

Highly pure (>98%) E.coli derived recombinant Mouse Exodus-2 (Cat.-No PA003)

Format:

State: Lyophilized (sterile filtered) purified Ig fraction

Purification: Affinity Chromatography employing immobilized mExodus-2 matrix

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 mExodus-2 (100.0 ng/ml), a concentration of 9.0-10.0 µg/ml of this antibody is required.

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

Sandwich ELISA: To detect mExodus-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-Murine Exodus-2 (Cat.-No PP021B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant mExodus-2.

Western blot: To detect mExodus-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 mExodus-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 recognises Mouse Exodus-2.
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.