

TECHNICAL DATA SHEET

Purified Rabbit Anti-rat SLC

Catalog Number: TP239

Lot Number:

Content: Protein A purified rabbit IgG, 200 µg, with 0.1% sodium azide, lyophilized.

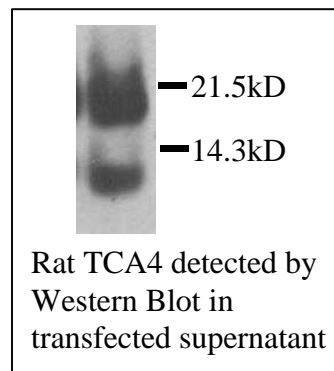
(Reconstitute to 1 mg/ml by adding 200 µl PBS)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with rat SLC, was generated using *E. coli*-expressed rat SLC as an immunogen. The tested titer for Western blot is 1:5,000.

Cross-reactivity to SLC of other species has not been determined.

Storage Condition: 4°C for short term storage or -20°C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: SLC (secondary lymphoid-tissue chemokine, also called 6Ckine, TCA4, Exodus-2) is a 111-amino acid (human; 110 a.a. for mouse) CC chemokine with an NH₂-terminal sequence of 23 residues as a signal sequence. It was originally cloned in 1997^{1,2}. Recombinant SLC attracts T-, B- cells³, mature dendritic cell⁴, but did not induce any cell migration in



neutrophils or monocytes. SLC is a functional ligand for CCR7⁵.

References:

1. Hedreck, J.A., et al. (1997) Identification and characterization of a novel beta chemokine containing six conserved cysteines. *J Immunol.* 159:1589-1593
2. Tanabe, S., et al. (1997) Identification of a new mouse β -chemokine, thymus-derived chemotactic agent 4, with activity on T lymphocytes and mesangial cells. *J Immunol.* 159:5671-5679
3. Yoshie, O. et al. (1997) Novel lymphocyte-specific CC chemokines and their receptors. *J Leukoc Biol.* 62:634-644
4. Chan, V.W., et al. (1999) Secondary lymphoid-tissue chemokine (SLC) is chemotactic for mature dendritic cells. *Blood.* 93:3610-3616
5. Campbell, J.J., et al. (1998) 6-C-kine (SLC), a lymphocyte adhesion-triggering chemokine expressed by high endothelium, is an agonist for the MIP-3 β receptor CCR7. *J Cell Biol.* 141:1053-1059