

Purified Rabbit Anti-rat LARC

Catalog Number: TP210

Lot Number: 020418

Content: Protein A purified rabbit IgG, 500 µg, with 0.1% sodium azide, lyophilized.

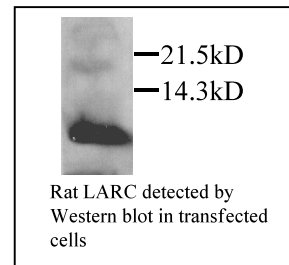
(Reconstitute to 1 mg/ml by adding 500 µl H₂O)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with rat LARC, was generated using *E. coli*-expressed amino acid 1-70 of mature rat LARC as an immunogen. The tested titer for Western blot is 1:2,000; a 1:500 dilution was used for immunoprecipitation.

Cross-reactivity to LARC 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: LARC (liver and activation-regulated chemokine, MIP-3α, Exodus-1)^{1,2,3} is a 70-amino acid CC chemokine originally identified from human histiocytic lymphoma cell line U937¹ and by sequence search of the EST database. This chemokine was mainly expressed in the liver and lung among various human tissues, and was also induced in several human cell lines. LARC is chemotactic for lymphocytes,



weakly for neutrophils at high concentration, but not for monocytes. The LARC specific receptor has been identified as CCR6⁴.

References:

1. Hieshima, K. et al. (1997) Molecular cloning of a novel human CC chemokine liver and activation-regulated chemokine (LARC) expressed in liver. *J Bio Chem* 272:5846-5853
2. Power, C.A. et al. (1997) Cloning and characterization of a specific receptor for the novel CC chemokine MIP-3alpha from lung dendritic cells. *J Exp Med* 186:825-835
3. Rossi, D.L. (1997) Identification through bioinformatics of two new macrophage proinflammatory human chemokines: MIP-3alpha and MIP-3beta. *J Immunol* 158: 1033-1036
4. Baba, M. (1997) Identification of CCR6, the specific receptor for a novel lymphocyte-directed CC chemokine LARC. *J Bio Chem* 272:14893-14898