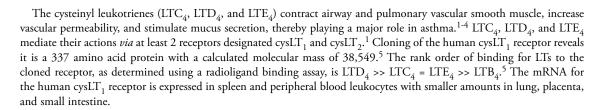
Product Information

CysLT₁ Receptor Blocking Peptide

Item No. 320500



Laboratory Procedures

This vial contains $200 \, \mu g$ of lyophilized peptide derived from the human cysLT $_1$ receptor protein sequence. This peptide was used as an antigen for production of the cysLT₁ receptor polyclonal antibody (Item No. 120500) and can be used in conjunction with this antibody to block protein-antibody complex formation during immunochemical analysis for this receptor.

Reconstitute the lyophilized peptide with 200 μl of PBS or distilled water. Store this peptide solution at -20°C. It will be stable for at least two years. To block antibody/protein complex formation, the following procedure is recommended:

- 1. Mix the CysLT₁ Polyclonal Antibody (Item No. 120500) and blocking peptide together in a 1:1 (v/v) ratio in a microfuge tube. For example, mix 20 µl of antibody and 20 µl of peptide.*
- Incubate for one hour at room temperature with occasional mixing prior to further dilution and application of the mixture to the immunoblot.
- 3. Dilute the mixture to the final working antibody concentration and apply to the slide or membrane as usual.

*This is a recommended mixture. The minimum amount of peptide needed for complete blocking has not been precisely determined and may vary depending on the sample being analyzed. The amount of peptide required may need to be increased if sufficient blocking does not occur.

References

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- Dahlén, S.-E., Hansson, G., Hedqvist, P., et al. Allergen challenge of lung tissue from asthmatics elicits bronchial contraction that correlates with the release of leukotrienes C₄, D₄, and E₄. Proc. Natl. Acad. Sci. USA 80, 1712-1716
- 3. Busse, W.W. The role of leukotrienes in asthma and allergic rhinitis. Clin. Exp. Allergy 26, 868-879 (1996).
- Hedqvist, P., Dahlén, S.-E., Gustafsson, L., et al. Biological profile of leukotrienes C₄ and D₄. Acta Physiol. Scand. 110,
- Lynch, K.R., O'Neill, G.P., Liu, Q., et al. Characterization of the human cysteinyl leukotriene CysLT₁ receptor. Nature **399**, 789-793 (1999).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/320500

WARNING: This product is for laboratory research only: not for administration to humans. Not for human or veterinary DIAGNOSTIC OR THERAPEUTIC USE.

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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