

Product Data Sheet

Purified anti-human RANTES

Catalog # / Size: 510201 / 50 µg

Clone: BL-5030

Isotype: Mouse IgG1, κ

Immunogen: Recombinant human RANTES

Reactivity: Human

Preparation: This antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% NaN₃.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: ELISA Capture

Recommended Usage: Each lot of this protein is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 0.5-2 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Description: RANTES is a 7.8 kD member of the CC family of chemokines, also known as CCL5, which is expressed in T cells and monocytes/macrophages. RANTES is strongly chemotactic for monocytes/macrophages, memory T cells, eosinophils, and induces histamine release from basophils. In solution, RANTES can form high molecular weight aggregates that exhibit dissimilar biological activities to the dimeric form. Aggregates cause T cell and neutrophil activation while promoting HIV infection, whereas, the dimeric form exhibits RANTES-induced chemotaxis and inhibits HIV infection. Interestingly, as T cells become activated RANTES secretion appears to decrease.

Antigen References: 1. Brown KD, *et al.* 1989. *J. Immunol.* 142 :679.

Related Products:

Product
HRP Avidin
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)
Recombinant Human RANTES
Biotin anti-human RANTES

Clone
Avidin

rh RANTES
BL-5045

Application

ELISA, ELISPOT, IHC, WB
ELISA
ELISA
BA, ELISA
ELISA



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.