



Biotinylated **Anti-mouse CXCL10/IP-10/CRG-2 Antibody**

ORDERING INFORMATION

Catalog Number: BAF466

Lot Number: AKE08

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: mouse CXCL10/IP-10

Immunogen: *E. coli*-derived rmCXCL10

Ig Type: goat IgG

Applications: Western blot
Immunohistochemistry
ELISA detection

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse CXCL10/IP-10 (rmCXCL10). Mouse CXCL10 specific IgG was purified by mouse CXCL10 affinity chromatography and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for use as detection antibody in the applications listed below.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse CXCL10. The detection limit for rmCXCL10 is approximately 5 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect CXCL10 in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems Cell and Tissue Staining Kits (CTS Series).

ELISA detection - This biotinylated antibody can be used as a detection reagent in a mouse CXCL10 sandwich immunoassay in combination with the mouse CXCL10 capture reagent (Cat. # MAB466) and recombinant mouse CXCL10 (Cat. # 466-CR) as the standard. The suggested concentration range for this detection reagent is 0.1 - 0.4 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/go/MAPELISA. In this format, this antibody shows less than 0.5% cross-reactivity with rhIP-10, rmPF4, rmMIG, rmlLIX and rml-TAC.

Optimal dilutions should be determined by each laboratory for each application.