Anti-cotton rat CXCL10/IP-10 Antibody

ORDERING INFORMATION

Catalog Number: AF1117

Lot Number: GPK01

Size: 100 μg

Formulation: 0.2 μm filtered solution in PBS

Storage: -20° C

Reconstitution: sterile PBS

Specificity: cotton rat CXCL10

Immunogen: *E. coli*-derived rcrCXCL10

Ig Type: goat IgG

Applications: Direct ELISA
Western blot

Preparation
Produced in goats immunized with purified, *E. coli*-derived, recombinant cotton rat CXCL10 (rcrCXCL10). Cotton rat CXCL10 specific IgG was purified by cotton rat CXCL10 affinity chromatography.

Formulation
Lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS).

Endotoxin Level
< 0.15 EU per 1 μg of the antibody as determined by the LAL method.

Reconstitution
Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/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 its ability to recognize cotton rat CXCL10 in direct ELISAs and western blots.

Applications
Direct ELISA - This antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect cotton rat CXCL10. The detection limit for rcrCXCL10 is approximately 0.5 ng/well. In this format, this antibody shows less than 1% cross-reactivity with other chemokines tested.[1]

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect cotton rat CXCL10. The detection limit for rcrCXCL10 is approximately 0.5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rhCXCL10 and rmCRG-2.

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

[1]rh6Ckine, rm6Ckine, rhBLC/BCA-1, rmBLC, rmC10, rhCCL28, rmCCL28, rrCINC-1, rrCINC-2α, rrCINC-2β, rrCINC-3, rhCKβ8-1, rvCMV UL146, rmC-TACK, rhCXCL-16, rmCXCL-16, rhENA-78, rhEotaxin, rmEotaxin, rhEotaxin-2, rmEotaxin-2, rhEotaxin-3, rhFractalkine, rmFractalkine, rhGCP-2, rmGCP-2, rhGROα, rhGROβ, rhGROγ, rhHCC-1, rhHCC-4, rhI-309, rhIL-8, rpIL-8, rhI-TAC, rmI-TAC, rmJE, rmKC, rhLeukotactin-1, rrLIX, rmLungkine, rhLymphotactin, rmLymphotactin, rmMARC, rhMCP-1, rhMCP-2, rmMCP-2, rhMCP-3, rhMCP-4, rmMCP-5, rvMCV type 2, rhMDC, rmMDC, rhMIG, rmMIG, rhMIP-1α, rhMIP-1β, rmMIP-1α, rmMIP-1β, rhMIP-1δ, rmMIP-1γ, rmMIP-2, rhMIP-3α, rmMIP-3α, rrMIP-3α, rhMIP-3β, rmMIP-3β, rvMIP-I, rvMIP-II, rvMIP-III, rhMPIF-1, rhNAP-2, rhPARC, rhPF4, rmPF4, rhRANTES, rmRANTES, rhSDF-1α, rmSDF-1α, rhSDF-1β, rhTARC, rmTARC, rmTCA-3, rhTeck, rmTeck

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