Anti-human I-309 Detection Antibody

ORDERING INFORMATION

Catalog Number: AB-272-PB

Lot Number: LI04

Size: 1 mg

Formulation: sterile solution in PBS

Storage: -20° C

Reconstitution: sterile PBS

Specificity: rhI-309

Antigen: *E. coli*-derived rhI-309

Ig class: goat IgG

Applications: Western blot
ELISA

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human I-309 (rhI-309). Total IgG was purified by Protein G affinity chromatography.

Formulation

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

Endotoxin Level

< 10 ng per 1 mg 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 1 mg/mL.

Storage

Lyophilized samples are stable for greater than 6 months at -20° C to -70° C. Reconstituted antibody is stable for at least 1 month at 2° - 4° C or 3 months at -20° C to -70° C under sterile conditions. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize rhI-309 in direct ELISA and western blot assays. Based on direct ELISA, this antibody shows no cross-reactivity with other cytokines tested.[1]

Applications

For direct ELISAs, the antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect rhI-309. The detection limit for recombinant human I-309 is approximately 0.3 ng/well.

For western blot analysis, the antibody can be used at 1 - 2 μg/mL with the appropriate secondary reagents to detect rhI-309. The detection limit for rhI-309 is approximately 5 ng/lane and 20 ng/lane under non-reducing and reducing conditions, respectively. Because this antibody preparation is a total IgG fraction, complete monospecificity cannot be assumed.

[1]rhANG, rhAR, rhβ-Cellulin, rhβ-NGF, rmC10, rhCNTF, rrCNTF, rhEGF, rhENA-78, rhEpo, rhFGF acidic, rhFGF basic, rhFGF-3, rhFGF-4, rhFGF-5, rhFGF-6, rhFGF-7, rhG-CSF, rhGDNF, rhGM-CSF Rα, rmGM-CSF, rhGROα, rhGROβ, rhGROγ, rhHB-EGF, rhHGF, rhIFN-γ, rhIGF-I, rhIGF-1 RI, rhIGF II, rhIL-1α, rhIL-1 RI, rhIL-1 RII, rmIL-1α, rhIL-1β, rmIL-1β, rhIL-1ra, rhIL-2, rhIL-2 sRα, rhIL-2 sRβ, rhIL-3, rhIL-3 sRα, rmIL-3, rhIL-4, rhIL-4 sR, rmIL-4, rhIL-5, rhIL-5 sRα, rhIL-5 sRβ, rmIL-5, rhIL-6, rhIL-6 sR, rmIL-6, rhIL-7, rhIL-7 R, rmIL-7, rhIL-8, rhIL-9, rmIL-9, rhIL-10, rmIL-10, rhIL-11, rhIL-12, rhIL-13, rmIL-13, rhIP-10, rmJE, rhLIF, rhLIF R, rmLIF, rhM-CSF, rmM-CSF, rhMCP-1, rhMCP-1 R, rhMidkine, rhMIP-1α, rmMIP1α, rhMIP-1β, rmMIP-1β, rhNT-4, rhOSM, rhPD-ECGF, hPDGF, pPDGF, rhPDGF-AA, rhPDGF-AB, rhPDGF-BB, rhPIGF, rhPTN, rhRANTES, rhSCF, rmSCF, rhsgp130, rhSLPI, hTfR, rhTGF-α, rhTGF-β1, rhTGF-β2, rhTGF-β3, raTGF-β5, rhLAP (TGF-β1), rhLatent TGF-β1, rhTGF-β sRII, rhTGF-β RIII, rhTNF-α, rmTNF-α, rhTNF-β, rhsTNF RI, rhsTNF RII, rhVEGF

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

R&D Systems Inc.

1-800-343-7475

5/17/95