

Technical Data Sheet

Biotin Mouse Anti-Rat IL-10

Product Information

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| Material Number: | 555084 |
| Size: | 0.5 mg |
| Concentration: | 0.5 mg/ml |
| Clone: | A5-6 |
| Immunogen: | Recombinant Rat IL-10 |
| Isotype: | Mouse IgG1, κ |
| Reactivity: | QC Testing: Rat |
| Storage Buffer: | Aqueous buffered solution containing $\leq 0.09\%$ sodium azide. |

Description

The A5-6 antibody reacts with rat Interleukin-10 (IL-10). The immunogen used to generate this hybridoma was recombinant rat IL-10 protein.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

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| ELISA Detection | Routinely Tested |
|-----------------|------------------|

Recommended Assay Procedure:

ELISA Detection: The biotinylated A5-6 antibody (Cat. No. 555084) can be used as the detection antibody in a sandwich ELISA for measuring rat IL-10 protein levels in conjunction with purified A5-7 antibody (Cat. No. 555083) as the capture antibody and recombinant rat IL-10 (Cat. No. 555113) as the standard. This biotinylated detection antibody should be pretitrated in the range of 0.5 to 2 mg/ml to determine its optimal concentration for ELISA. To obtain linear standard curves, doubling dilutions of rat IL-10 ranging from ~2,000 to 5 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology, please visit our web site, www.bdbiosciences.com, and go to the protocols section or the chapter on ELISA in the Immune Function Handbook. This ELISA pair is recommended primarily for measuring cytokine from experimental cell culture systems. These ELISA reagents are not recommended for assay of serum or plasma samples. For measuring Rat IL-10 in serum or plasma, our BD OptEIA™ Rat IL-10 ELISA Set (Cat. No. 555134) is specially formulated and recommended.

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|-------------------------------|-----------|--------|
| 555083 | Purified Mouse Anti-Rat IL-10 | 0.5 mg | A5-7 |
| 555113 | Recombinant Rat IL-10 | 5 μ g | (none) |
| 555134 | Rat IL-10 ELISA Set | 20 tests | (none) |

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Feng L, Tang WW, Chang JC, Wilson CB. Molecular cloning of rat cytokine synthesis inhibitory factor (IL-10) cDNA and expression in spleen and macrophages. *Biochem Biophys Res Commun.* 1993; 192(2):452-458.(Biology)

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