

Technical Data Sheet

Biotin Rat Anti-Mouse IL-10

Product Information

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|-------------------------|---|
| Material Number: | 554423 |
| Size: | 0.5 mg |
| Concentration: | 0.5 mg/ml |
| Clone: | SXC-1 |
| Immunogen: | Mouse IL-10 Protein |
| Isotype: | Rat IgM |
| Reactivity: | QC Testing: Mouse |
| Storage Buffer: | Aqueous buffered solution containing ≤0.09% sodium azide. |

Description

The SXC-1 antibody reacts with mouse interleukin-10 (IL-10). The immunogen used to generate the SXC-1 hybridoma was mouse IL-10. This is a neutralizing antibody.

This antibody is routinely tested by ELISA detection. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

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 |
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Recommended Assay Procedure:

ELISA Detection: The biotinylated SXC-1 antibody (Cat. No. 554423) is useful as a detection antibody for a sandwich ELISA for measuring mouse IL-10 protein levels. Biotinylated SXC-1 antibody can be paired with the purified JES5-2A5 antibody (Cat. No. 551215) as the capture antibody, with recombinant mouse IL-10 (Cat. No. 550070) as the standard. The biotinylated SXC-1 antibody should be titrated 0.5 - 2.0 µg/ml to determine optimal concentration for ELISA detection. To obtain linear standard curves, doubling dilutions of mouse IL-10 protein ranging from ~2,000 to 15 pg/ml are recommended for inclusion in each ELISA plate. For maximal sensitivity, an overnight incubation (4°C) of samples/standards with the coated capture antibody is recommended. 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.

Note: This ELISA pair is recommended primarily for measuring cytokine from experimental cell culture systems. These ELISA reagents are not recommended for the assay of serum or plasma samples. For measuring mouse IL-10 in serum or plasma the BD OptEIA™ Mouse IL-10 ELISA Set (Cat. No. 555252) is specially formulated and recommended.

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|-------------------------------|----------|----------|
| 555252 | Mouse IL-10 ELISA Set | 20 tests | (none) |
| 550070 | Recombinant Mouse IL-10 | 10 µg | (none) |
| 551215 | Purified Rat Anti-Mouse IL-10 | 1.0 mg | JES5-2A5 |

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.

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