Technical Data Sheet

Biotin Rat Anti-Mouse IL-4

Product Information

Material Number:	**554390**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	BVD6-24G2
Immunogen:	Recombinant IL-4
Isotype:	Rat IgG1
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The BVD6-24G2 antibody reacts with mouse interleukin-4 (IL-4). The immunogen used to generate the BVD6-24G2 hybridoma was recombinant IL-4. This is a non-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

ELISA Detection	Routinely Tested

Recommended Assay Procedure:

ELISA Detection: The biotinylated BVD6-24G2 antibody (Cat. No. 554390) is useful as a detection antibody for a sandwich ELISA for measuring mouse IL-4 protein levels. The biotinylated BVD6-24G2 antibody can be paired with the purified BVD4-1D11 IL-4 antibody (Cat. No. 554387) or the purified 11B11 IL-4 antibody (Cat. No. 554434) as the capture antibody, with recombinant mouse IL-4 (Cat. No. 550067) as the standard. The biotinylated BVD6-24G2 antibody should be titrated 0.5 - 2.0 µg/ml to determine optimal concentration for ELISA detecton. To obtain linear standard curves, doubling dilutions of mouse IL-4 protein ranging from ~2000 to 15 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology, please visit the protocols section or chapter on ELISA in the Immune Function Handbook, both of which are posted on our website, www.bdbiosciences.com.

Note: This ELISA pair is recommended primarily for measuring cytokine from experimental cell culture systems. These ELISA reagents are not recommended for assaying serum or plasma samples. For measuring mouse IL-4 in serum or plasma our mouse IL-4 OptEIA set (Cat. No. 555232) is especially formulated and recommended.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555232	Mouse IL-4 ELISA Set	each	(none)
550067	Recombinant mouse IL-4	10 µg	(none)
554434	Purified Rat Anti-Mouse IL-4	0.5 mg	11B11
554387	Purified Rat Anti-Mouse IL-4	0.5 mg	BVD4-1D11

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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References

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