

## Technical Data Sheet

## Purified Mouse Anti-Human IL-15

## Product Information

Material Number:	554712
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G243-935
Immunogen:	Human IL-15 Recombinant Protein
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

## Description

The G243-935 antibody reacts with human IL-15. The immunogen used to produce the G243-935 hybridoma was E. coli expressed recombinant human IL-15.

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4°C.

## Application Notes

## Application

ELISA Capture	Routinely Tested
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## Recommended Assay Procedure:

**ELISA Capture:** For a sandwich ELISA to measure human IL-15 protein levels, the G243-935 antibody can be paired with the biotinylated G243-886 antibody (Cat. No. 554713) as the detecting antibody, with recombinant human IL-15 (Cat. No. 560254) as the standard. The purified G243-935 antibody should be titrated 1-4 µg/ml to determine optimal concentration for ELISA capture. To obtain linear standard curves, doubling dilutions of human IL-15 protein ranging from ~2,000 to 15 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology, please visit our web site, [www.bdbiosciences.com](http://www.bdbiosciences.com), and go to the protocols section or the chapter on ELISA in the Immune Function Handbook.

This ELISA pair shows no cross-reactivity with any of the cytokines tested (e.g., mouse IL-1β, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-9, IL-10, IL-12 p70, IL-15, GM-CSF, IFN-γ, MCP-1, TCA-3, TNF; human IL-1α, IL-1β, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12 p70, IL-12 p40, IL-13, G-CSF, GM-CSF, IFN-γ, lymphotactin, MCP-1, MCP-2, MIP-1α, MIP-1β, NT-3, PDGF-AA, sCD23, SCF, TNF, LT-α, VEGF; rat IL-2, IL-4, IL-6, IL-10, GM-CSF, IFN-γ, TNF).

*Note:* 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 Human IL-15 in serum or plasma our Human IL-15 BD OptEIA™ ELISA Set (Cat. No. 559268) is specially formulated and recommended.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
554713	Biotin Mouse Anti-Human IL-15	0.5 mg	G243-886
560254	Recombinant Human IL-15	5 µg	(none)
559268	Human IL-15 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](http://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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