

SMARTer® Mouse BCR IgG H/K/L Profiling Kit

Catalog Nos.	Amount
634422	12 rxn
634423	48 rxn
634424	96 rxn

Description

The SMARTer Mouse BCR IgG H/K/L Profiling Kit enables users to analyze B-cell receptor (BCR) diversity from RNA input samples. The full kit is designed to work with a range of RNA input amounts depending on the sample type, and has been shown to generate high-quality libraries from as little as 10 ng to 3 µg of total RNA obtained from spleen, lymph node, or PBMCs, or from 1,000 to 10,000 purified B cells. As the name suggests, the kit can be used to generate data for heavy chain or light chain (kappa or lambda) diversity.

The full kit leverages SMART® technology and employs a 5' RACE-like approach to capture complete V(D)J variable regions of BCR transcripts. Included in the full kit are primers that incorporate Illumina®-specific adaptor sequences during cDNA amplification. The protocol generates indexed libraries that are ready for sequencing on Illumina platforms.

Package Contents

634422 (12 rxn):

- SMARTer Mouse BCR IgG H/K/L Profiling Kit Components (Cat. No. 634425; Not sold separately)
[>>View Components](#)
- Mouse BCR IgG H/K/L Indexing Primer Set HT for Illumina -12 (Cat. No. 634428; Not sold separately)
[>>View Components](#)

634423 (48 rxn):

- SMARTer Mouse BCR IgG H/K/L Profiling Kit Components (Cat. No. 634426; Not sold separately)
[>>View Components](#)
- Mouse BCR IgG H/K/L Indexing Primer Set HT for Illumina - 48 (Cat. No. 634429; Not sold separately)
[>>View Components](#)

634424 (96 rxn):

- SMARTer Mouse BCR IgG H/K/L Profiling Kit Components (Cat. No. 634427; Not sold separately)
[>>View Components](#)
- Mouse BCR IgG H/K/L Indexing Primer Set HT for Illumina -96 (Cat. No. 634430; Not sold separately)
[>>View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Takara Bio USA, Inc.

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Product Components List

Cat. Nos. 634422, 634423, 634424

SMARTer Mouse BCR IgG H/K/L Profiling Kit

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- SMARTer Mouse BCR IgG H/K/L Profiling Kit User Manual
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This document has been reviewed and approved by the Quality Department.