Lot #: CAC1014MHR1

CRISP CD-103, CD-25 & CD-38 Control Cells
Lot Specificity Sheet

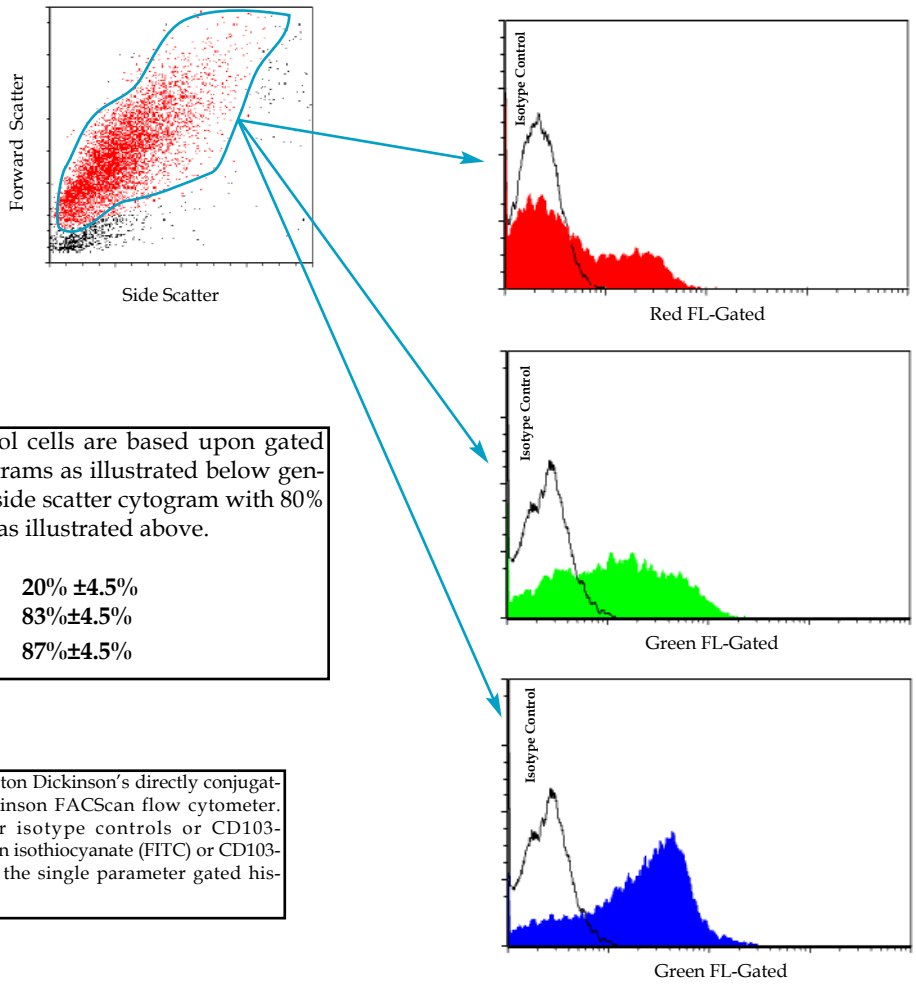
Part Number: CR103/25/38 (1 ml. Vial)

This product is a mixture of negative and CD-103, CD-38 & CD-25 positive control cells.

Typical Cytogram and Histogram Data

Gating Setup for CRISP Cells

NOTE: Different gating strategies will result in different percent positive staining.



The percentage of positive control cells are based upon gated green and red fluorescence histograms as illustrated below generated from a forward scatter vs. side scatter cytogram with 80% of the CRISP cells within the gate as illustrated above.

CD103:	**20% ±4.5%**
CD25:	**83%±4.5%**
CD38:	**87%±4.5%**

These results were obtained using Becton Dickinson's directly conjugated antibodies run on a Becton Dickinson FACScan flow cytometer. Cells were incubated with either isotype controls or CD103-Phycoerythrin (PE) + CD25-Fluorescein isothiocyanate (FITC) or CD103-PE + CD38-FITC mixtures but only the single parameter gated histograms are shown here.

Note: Different manufacturer's flow cytometers, antibodies and even different lots of the same manufacturer's antibody may give slightly different results with the CRISP positive control cells. For this reason, the mean fluorescent channel values for the positive and negative peaks should be determined within your laboratory using your flow cytometer and your reagents. The percent positive control cells should remain constant for the shelf life of this product.

It is recommended that the mean fluorescent channel values and the percent positive ranges are calculated and established by QC testing within your laboratory.

For Research Purposes Only

PHOENIX FLOW SYSTEMS
6790 Top Gun St, #1, San Diego, CA, 92121
(858) 453-5095 (800) 886-FLOW Fax (858) 453-2117 info@phoenixflow.com

For Research Purposes Only

CRISP Control Cells

For Research Use Only

Intended Use:
CRISP control cells are used to assess the activity of specified monoclonal antibodies by flow cytometry.

Summary and Explanation:
CRISP CR103/25/38 control cells are a stabilized preparation of human cells which have been stimulated with mitogens to exhibit surface antigens detectable by immunophenotyping with these three antibodies. Although other surface antigens may be expressed ranges have not been established.

Also available from Phoenix Flow Systems are these control cells:

Product Number:	Antigen	Number of Tests
CR34-10, or -30, or -100	CD34	10, 30, 100
CRTdP-10, or -30, or -100	TdT	10, 30, 100
CRHL-10, or -30, or -100	HLA-B27	10, 30 100

Reagents :
Each vial of of CR103/25/38 control cells contains 1 ml of stabilized control cells.

Statement of Warnings:

For Research Use Only.

DO NOT FREEZE THESE REAGENTS.

These cells should be handled under Biosafety Level 2 guidelines.

This reagent contains Sodium Azide. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions may develop. If skin or eye contact occur , wash extensively with running water.

Never pipette by mouth and avoid skin contact.

Storage conditions:
Store at 2-8 C.

Staining Procedure:
1. Remove vial of CRISP control cells from the refrigerator and mix well. Do NOT vortex.

2. Label two (Isotype Cntrl, CD103-PE/CD25-FITC) or three (Isotype Cntrl, CD103-PE/CD25-FITC, CD103-PE/CD38-FITC) 12x75 mm test tubes appropriately.

3. Using the lab' s standard staining protocol, transfer 50 µls of CRISP cells to each tube and stain with the specified amount of antibody recommended by the antibody manufacturer for 1 X 10^6 cells, or if using antibody in an amount different than recommended by the manufacturer adjust amount of cell suspension accordingly, for the appropriate time (usually 15 minutes) at room temperature protected from light.

4. Add 1 ml of PBS to ech tube and centrifuge at 300xg for 5 minutes. Aspirate supernatant and re-suspend cell pellet in 0.5ml PBS

4. Analyze on a flow cytometer. Run the Isotype Control first. Gate on the cell population as indicated on other side of sheet and collect gated Red FL and gated Green FL histograms setting region markers so there are 2-5% positive in the isotypic control of each.

Trademarks:
CRISP is a trademark of Phoenix Flow Systems, Inc..