

Product Datasheet

Rat Regulatory T Cell Flow Cytometry Kit FMC015-NOV

Unit Size: 50 Tests

Store at 4C. Do not freeze.

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FMC015-NOV**Rat Regulatory T Cell Flow Cytometry Kit**

Product Information	
Unit Size	50 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C. Do not freeze.
Product Description	
Description	<p>For the flow cytometric analysis of rat regulatory T cells. This product is designed for the single-step staining and flow cytometric analysis of rat regulatory T cells using three fluorochrome-conjugated antibodies. Key Benefits:</p> <ul style="list-style-type: none"> Simultaneously detects three markers of regulatory T cells Cost-effective kit provides an optimized combination of antibodies Does not require the use of secondary antibodies <p>Why is it Important to Identify Regulatory T Cells Using Multiple Established Markers: Regulatory T cells (Tregs) are critical mediators of immune homeostasis. Treg immunosuppressive effector functions act to prevent hyperimmunity, and reduced Treg populations or Treg activity are associated with autoimmune dysfunction. FoxP3, a defining intracellular marker of these cells, is a critical mediator of Treg effector functions. The accurate identification of Treg populations supports the advancement of autoimmune disease and organ transplantation research. Using multiple established markers to identify Treg cells increases confidence in cell identity and minimizes experimental variation. In addition, simultaneous use of multiple markers cost-effectively minimizes the required sample volume, which is critical in Treg research where experiments are costly and sample volumes may be limited. The Rat Regulatory T Cell Multi-Color Flow Cytometry Kit offers users an efficient and quantitative method to identify rat regulatory T cells by flow cytometry using three established cell lineage markers. Precaution: FoxP3 staining buffer(s) contains formaldehyde which is a suspected carcinogen. Avoid contact with skin, eyes, and mucous membranes, and avoid inhaling fumes. In case of contact, wash immediately with water and seek medical advice. The staining buffers in this kit contain Sodium Azide which may react with lead and copper plumbing to form explosive metallic azides. Flush with large volumes of water during disposal.</p>
Species	Rat
Kit Components	500 ul of a FoxP3-APC Goat IgG, 500 ul of a CD25-PE Goat IgG, 500 ul of a CD4-FITC Mouse IgG2A (Clone OX-38), 500 ul of a Goat IgG-APC, 50 ml of a 1X Staining Buffer, 120 ml of a FoxP3 Staining Buffer





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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