

Anti-IL-2 Receptor alpha antibody [OX39] - BSA and Azide free ab244557

2 图像

概述

产品名称	Anti-IL-2 Receptor alpha抗体[OX39] - BSA and Azide free
描述	小鼠单克隆抗体[OX39] to IL-2 Receptor alpha - BSA and Azide free
宿主	Mouse
经测试应用	适用于: Flow Cyt, IHC-Fr
种属反应性	与反应: Rat, Human
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Flow Cyt: Lewis rat splenocytes treated with 5 g/ml ConA for 3 days.IHC-Fr: Normal rat spleen tissue.
常规说明	<p>ab244557 is the carrier-free version of ab6411.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Do Not Freeze.
存储溶液	Constituent: PBS
无载体	是
纯度	Protein G purified
克隆	单克隆
克隆编号	OX39
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab244557于以下的经测试应用

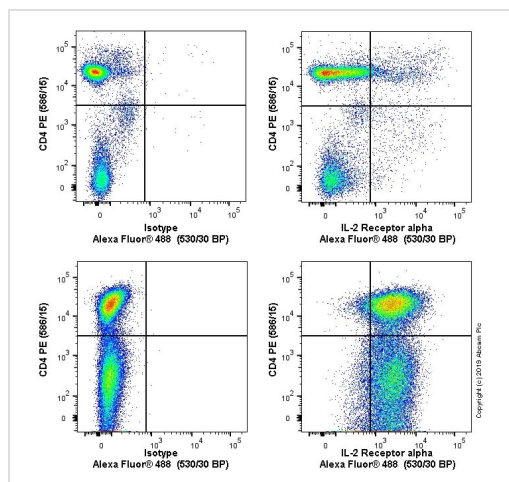
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use a concentration of 0.2 µg/ml.
IHC-Fr		Use a concentration of 5 µg/ml.

靶标

功能	Receptor for interleukin-2.
疾病相关	Genetic variations in IL2RA are associated with susceptibility to diabetes mellitus insulin-dependent type 10 (IDDM10) [MIM:601942]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical features are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic diuresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels.
序列相似性	Contains 2 Sushi (CCP/SCR) domains.
细胞定位	Membrane.

图片



Flow Cytometry - Anti-IL-2 Receptor alpha antibody
[OX39] - BSA and Azide free (ab244557)

This data was developed using the same antibody clone in a different buffer formulation (**ab6411**).

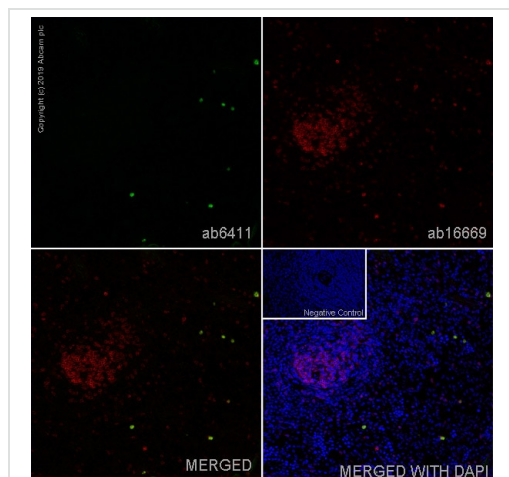
Lewis rat splenocytes (top) or Lewis rat splenocytes treated with 5 µg/ml ConA for 3 days (bottom) were stained with **ab6411** (right) or mouse IgG1 kappa (**ab170190**) isotype (left).

Splenocytes were incubated for 30 min on ice in 1x PBS containing 10 % rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (**ab6411**) or mouse IgG1 kappa (**ab170190**) isotype (1x 10⁶ in 100 µl at 0.2 µg/ml) for 30 min on ice.

The secondary antibody Goat anti-mouse IgG H&L (Alexa Fluor[®] 488, pre-adsorbed) (**ab150117**) was used at 1/2000 dilution for 30 min on ice.

The cells were simultaneously stained with CD4.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on CD3 positive T cells.



Immunohistochemistry (Frozen sections) - Anti-IL-2 Receptor alpha antibody [OX39] - BSA and Azide free (ab244557)

This data was developed using the same antibody clone in a different buffer formulation (**ab6411**).

IHC image of IL2 receptor alpha staining in a section of frozen normal rat spleen.

The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining. Non-specific protein-protein interactions were then blocked in TBS containing 0.025% (v/v) Triton X-100, 0.3M glycine and 1% (w/v) BSA for 1h at room temperature. The section was then incubated overnight at +4°C in TBS containing 0.025% (v/v) Triton X-100 and 1% (w/v) BSA with **ab6411** at 5µg/ml and **ab16669** (Rabbit monoclonal [SP7] to CD3) at 1/150. The section was then incubated with **ab150117** (Goat Anti-Mouse IgG H&L (Alexa Fluor[®]488), 1/1000)) (shown in green) and **ab150080** Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor[®] 594), 1/1000) (shown in red) for 1 hour at room temperature. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. The secondary-only control insert image is taken from an identical assay without primary antibody. The section was then mounted using Fluoromount[®].

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

For IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antibody concentrations and incubation times.

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