.-online.com antibodies

Datasheet for ABIN94044 anti-CD25 antibody

3 Images

1 Publication



Overview

Quantity:	0.1 mg
Target:	CD25 (IL2RA)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD25 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	PHA-activated peripheral blood leucocytes
Clone:	MEM-181
lsotype:	lgG1
Specificity:	The antibody MEM-181 reacts with an extracellular epitope of CD25 (Interleukin-2 receptor alpha chain), a 55 kDa type I transmembrane glycoprotein expressed on activated B and T lymphocytes, activated monocytes/macrophages and on CD4+ T lymphocytes (T regulatory cells), it is lost on resting B and T lymphocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN94044 | 03/05/2024 | Copyright antibodies-online. All rights reserved.

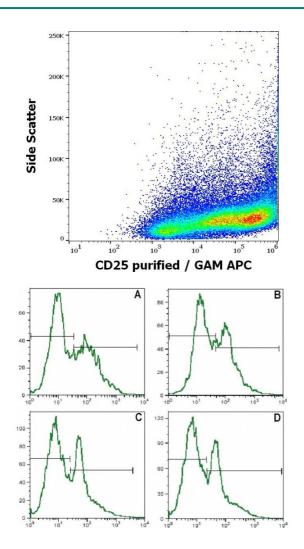
Target Details	
Target:	CD25 (IL2RA)
Alternative Name:	CD25 (IL2RA Products)
Background:	Interleukin 2 receptor subunit alpha,CD25 (IL2Ralpha, Tac) is a ligand-binding alpha subunit of interleukin 2 receptor (IL2R). Together with beta and gamma subunit CD25 constitues the high affinity IL2R, whereas CD25 alone serves as the low affinity IL2R. CD25 expression rapidly increases upon T cell activation. The 55 kDa CD25 Molecule is enzymatically cleaved and shed from the cell surface as a soluble 45 kDa s-Tac, whose concentration in serum can be used as a marker of T cell activation. Expression of CD25 indicates the neoplastic phenotype of mast cells. Humanized anti CD25 antibodies represent a useful tool to reduce the incidence of allograft rejection as well as the severity of graft versus host reaction, and radioimmunoconjugates of anti-CD25 antibodies can be used against CD25 expressing lymphomas.,IL-2R α , chain, IL-2-RA, IL2-RA, p55, TAC antigen, IDDM10, TCGFR
Gene ID:	3559
UniProt:	P01589
Pathways:	JAK-STAT Signaling, Growth Factor Binding, Activated T Cell Proliferation
Application Details	Flow cytometry: Recommended dilution: 1-5 µg/mL.
Application Notes:	
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN94044 | 03/05/2024 | Copyright antibodies-online. All rights reserved.

Product cited in:

Drbal, Moertelmaier, Holzhauser, Muhammad, Fuertbauer, Howorka, Hinterberger, Stockinger, Schütz: "Single-molecule microscopy reveals heterogeneous dynamics of lipid raft components upon TCR engagement." in: **International immunology**, Vol. 19, Issue 5, pp. 675-84, (2007) (PubMed).

Images



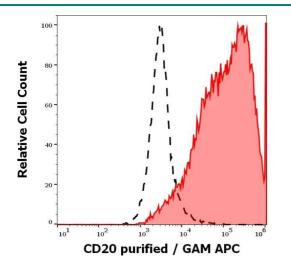
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD25 (MEM-181) purified antibody (concentration in sample 2 µg/mL) GAM APC.

Flow Cytometry

Image 2. Surface staining of human PBMC with anti-human CD25 (MEM-181) FITC. The mononuclear cells were isolated from human peripheral blood, devided in aliquots for duplicate analysis and stimulated with PHA for 2 days. Panel A, C – staining with anti-human CD25 Panel B, D – staining with a standard anti-CD25 monoclonal antibody

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN94044 | 03/05/2024 | Copyright antibodies-online. All rights reserved.



Flow Cytometry

Image 3. Separation of human PHA stimulated peripheral blood mononuclear cells stained using anti-human CD25 (MEM-181) purified antibody (concentration in sample 2 μ g/mL, GAM APC, red-filled) from human PHA stimulated peripheral blood mononuclear cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN94044 | 03/05/2024 | Copyright antibodies-online. All rights reserved.