CD127 / IL7R (Marker of T-Reg Cells) Antibody

Mouse Monoclonal Antibody [Clone IL7R/2751]

Catalog No	Format	Size
3575-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
3575-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3575-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

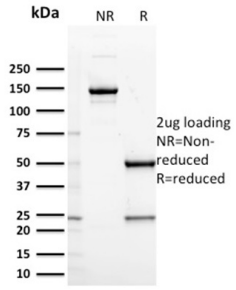
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

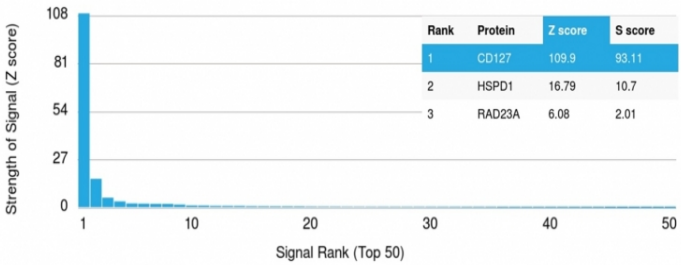
Clone	IL7R/2751
Gene Name	IL7R
Immunogen	Recombinant fragment (around aa 21-236) of human CD127 protein (IL7R) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	52-72kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Daudi or Jurkat cells. Tonsil, HeLa, K562, lymph node or spleen.

**Optimal dilution for a specific application should be determined.*

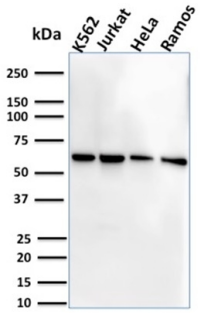
Product Images for CD127 / IL7R (Marker of T-Reg Cells) Antibody



SDS-PAGE Analysis of Purified CD127 Mouse Monoclonal Antibody (IL7R/2751). Confirmation of Integrity and Purity of Antibody.



Analysis of Protein Array containing >19,000 full-length human proteins using CD127 Mouse Monoclonal Antibody (IL7R/2751) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Western Blot Analysis of Human K562, Jurkat, HeLa and Ramos cell lysate using CD127 Mouse Monoclonal Antibody (IL7R/2751).

Specificity & Comments

The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID).

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Cancer, Cytokine Signaling, Hematopoietic Stem Cells, Immunology, Ovarian Cancer

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.