

CD11c (Dendritic Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone ITGAX/1243]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 3687-MSM3-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3687-MSM3-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3687-MSM3-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

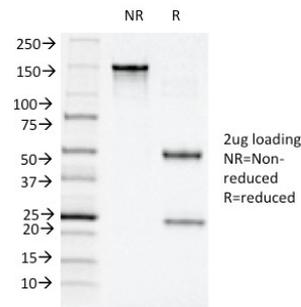
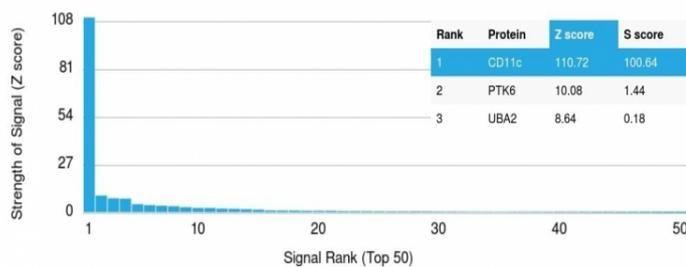
| Applications | Tested Dillution | Note |
|--------------|------------------|------|
|--------------|------------------|------|

Product Details

| | |
|-------------------------------|--|
| Clone | ITGAX/1243 |
| Gene Name | ITGAX |
| Immunogen | Recombinant fragment (aa 637-827) of human ITGAX protein (exact sequence is proprietary) |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2b / Kappa |
| Mol. Weight of Antigen | 145kDa |
| Cellular Localization | Membrane |
| Species Reactivity | Human |
| Positive Control | THP-1 cells. |

*Optimal dilution for a specific application should be determined.

Product Images for CD11c (Dendritic Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD11c Mouse Monoclonal Antibody (ITGAX/1243). Confirmation of Integrity and Purity of Antibody

Analysis of Protein Array containing more than 19,000 full-length human proteins using CD11c Mouse Monoclonal Antibody (ITGAX/1243). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Mab) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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 MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.

Specificity & Comments

Recognizes a protein of 145kDa, identified as CD11c. CD11c (ITGAX), a member of the leukointegrin family, shares the same beta subunit with other members of the leukocyte adhesion molecule family, which includes CD11a (LFA-1), CD11b (MAC-1) and CD11d (ITGAD), but has a unique alpha chain. CD11c has been shown to play a role in phagocytosis, cell migration, and cytokine production by monocytes/macrophages as well as induction of T-cell proliferation by Langerhans cells. CD11c is expressed prominently on the plasma membranes of monocytes, tissue macrophages, NK cells, and most dendritic cells (DCs). A lower level of expression is also observed on neutrophils as a result of its high level of expression on most DCs. An antibody to CD11c may aid in identification of lesions with histiocytic origin. It may also been used as a marker for hairy cell leukemia in paraffin-embedded tissues.

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.

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, Complement System, Cytokine Signaling, Dendritic Cell Marker, Hematopoietic Stem Cells, Immunology
