

## CCL23 / Myeloid Progenitor Inhibitory Factor 1 Antibody

Mouse Monoclonal Antibody [Clone CCL23/4034]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 6368-MSM4-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 6368-MSM4-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 6368-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

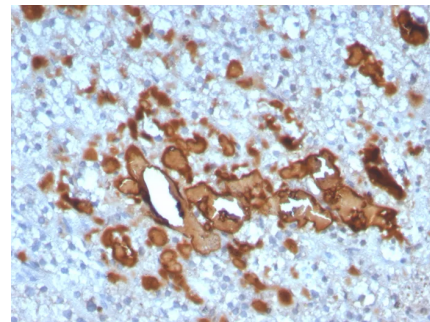
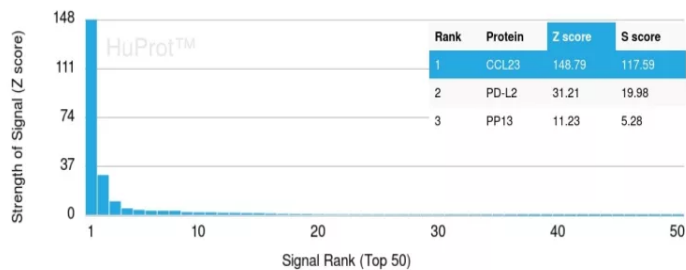
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

### Product Details

|                               |  |
|-------------------------------|--|
| <b>Clone</b>                  | CCL23/4034   |
| <b>Gene Name</b>              | CCL23  |
| <b>Immunogen</b>              | Recombinant fragment (around aa1-120) of human CCL23 protein (exact sequence is proprietary) |
| <b>Host</b>                   | Mouse  |
| <b>Clonality</b>              | Monoclonal   |
| <b>Isotype / Light Chain</b>  | IgG2 / Kappa   |
| <b>Mol. Weight of Antigen</b> | 13kDa  |
| <b>Cellular Localization</b>  | Secreted.  |
| <b>Species Reactivity</b>     | Human  |
| <b>Positive Control</b>       | High levels in adult lung liver skeletal muscle and pancreas.                                |

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

### Product Images for CCL23 / Myeloid Progenitor Inhibitory Factor 1 Antibody



Formalin-fixed, paraffin-embedded human adrenal gland stained with CCL23 Mouse Monoclonal Antibody (CCL23/4034). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min

Analysis of Protein Array containing more than 19,000 full-length human proteins using CCL23-Monospecific Mouse Monoclonal Antibody (CCL23/4034). 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 be 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**

Small inducible cytokine A23 precursor (CCL23), or CK-b-8, is a chemokine that binds to the receptor CCR1. It is involved in the immune response and inhibits production of polymorphonuclear leukocytes (PMNs) and monocytes in bone marrow. In addition, CCL23 has a splice variant, CK-b-8-1, and both variants chemoattract lymphocytes, monocytes and neutrophils. CCL23 also promotes angiogenesis and endothelial cell migration via its actions on the CCR1 receptor. Proinflammatory proteases cleave an N-terminal domain of CCL23, improving the potency of its CCR1-mediated signaling up to 1000- fold in vitro. N-truncated CCL23 is found in high levels in synovial fluids of rheumatoid arthritis patients, suggesting a role of protease release during an inflammatory response. High levels of CCL23 mRNA expression occur in human fetal bone osteoblasts and chondrocytes, indicating a possible role for CCL23 in the recruitment of osteoclast precursors to the sites of bone reabsorption.

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### **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.

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### **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.

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### **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.

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### **Research Areas**

Cardiovascular, AKT Signaling, Endothelial Cell Marker, Signal Transduction

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