Recombinant Platelet endothelial cell adhesion molecule Antibody

Rabbit Monoclonal Antibody [Clone C31/1395R]

Catalog No	Format	Size
5175-RBM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5175-RBM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5175-RBM11-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

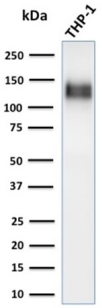
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

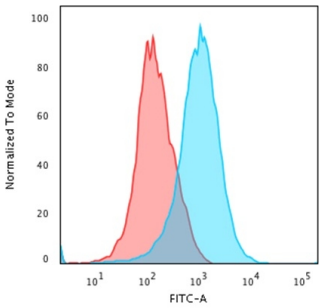
Clone	C31/1395R
Immunogen	Membrane preparation of a spleen from a patient with hairy cell leukemia
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	82.52kDa
Cellular Localization	Cell junction, Cell membrane, Membrane raft
Species Reactivity	Human
Positive Control	Jurkat cells. Tonsil or Angiosarcoma., THP-1

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

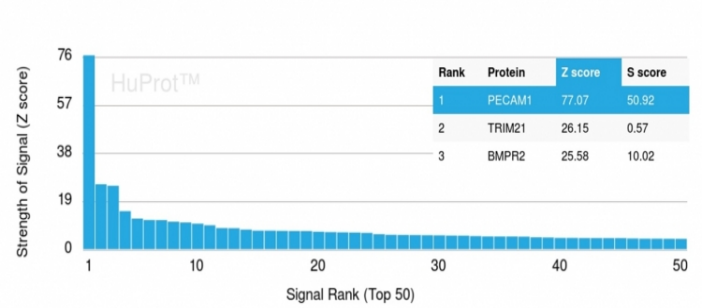
Product Images for Recombinant Platelet endothelial cell adhesion molecule Antibody



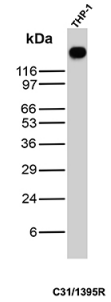
Western Blot Analysis of human THP-1 cell lysate using CD31-Monospecific Recombinant Rabbit Monoclonal Antibody (C31/1395R).



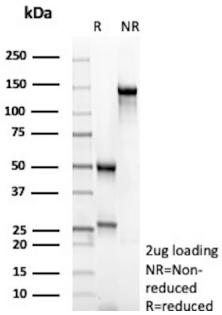
Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD31-Monospecific Recombinant Rabbit Monoclonal Antibody (C31/1395R).followed by goat anti-rabbit- IgG-CF488 (Blue); Isotype Control (Red).



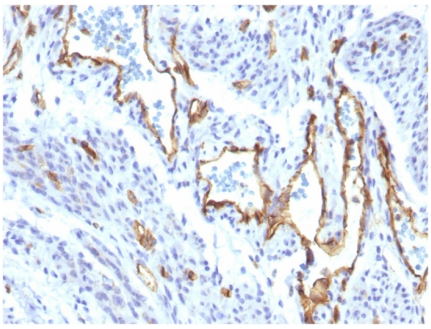
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CD31-Monospecific Recombinant Rabbit Monoclonal Antibody (C31/1395R) Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the 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 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.



Western Blot Analysis of THP-1 cell lysate using CD31 Recombinant Rabbit Monoclonal Antibody (C31/1395R).



SDS-PAGE Analysis of Purified CD31 Recombinant Rabbit Monoclonal Antibody (C31/1395R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Angiosarcoma stained with CD31-Monospecific Recombinant Rabbit Monoclonal Antibody (C31/1395R).

Specificity & Comments

CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 MAb reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. 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.

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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