CD34 (Hematopoietic Stem Cell &Endothelial Marker) Antibody

Mouse Monoclonal Antibody [Clone CD34/7720]

Catalog No	Format	Size
947-MSM20-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
947-MSM20-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
947-MSM20-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

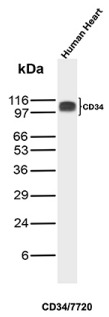
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

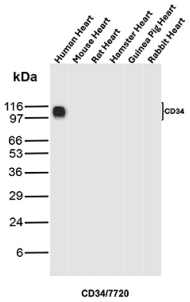
Clone	CD34/7720
Immunogen	Recombinant fragment (around aa 73-222) of human CD34 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40.72kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

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

Product Images for CD34 (Hematopoietic Stem Cell &Endothelial Marker) Antibody



Western blot analysis of human heart tissue lysates using CD34 Mouse Monoclonal Antibody (CD34/7720).



Western blot analysis of human heart tissue lysates using CD34 Mouse Monoclonal Antibody (CD34/7720).

Specificity & Comments

Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein 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.

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.