

## Product datasheet for **AM06166SU-N**

### CD34 Mouse Monoclonal Antibody [Clone ID: 4H5E7]

#### Product data:

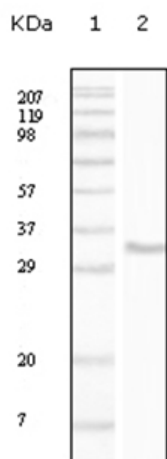
Product Type:	Primary Antibodies
Clone Name:	4H5E7
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000. <b>Immunofluorescence:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of CD34 expressed in E. Coli.
Specificity:	Recognizes CD34
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD34 molecule
Database Link:	<a href="#">Entrez Gene 947 Human P28906</a>
Background:	CD34 is a transmembrane glycoprotein with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells, endothelial cells and some fibroblasts. It 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. CD34 is highly expressed on hematopoietic progenitors, as well as on endothelial cells. CD34 has been used to measure angiogenesis, which reportedly predicts tumor recurrence.



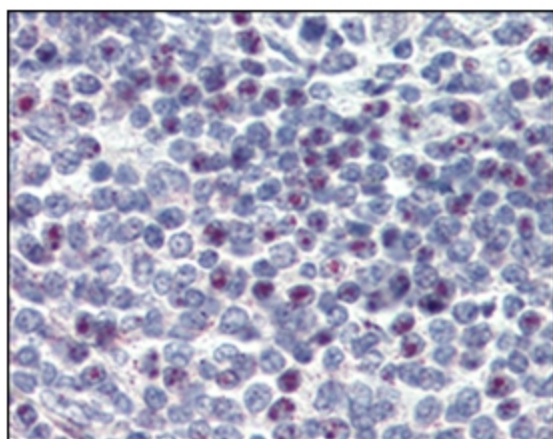
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Synonyms: Hematopoietic progenitor cell marker

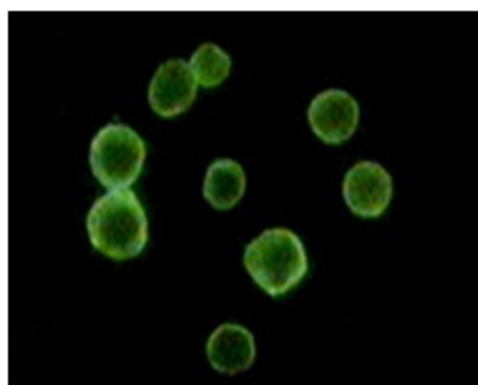
**Product images:**



Western blot analysis using CD34 antibody Cat.-No AM06166SU-N against truncated CD34 recombinant protein.



Immunohistochemical analysis of paraffin-embedded human spleen using CD34 antibody Cat.-No AM06166SU-N with DAB staining.



Immunofluorescence analysis of peripheral blood cells using CD34 antibody Cat.-No AM06166SU-N