

Product Datasheet

CD34 Antibody (QBEnd/10 + HPCA1/763) [Alexa Fluor® 647] NBP2-47909AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-47909AF647

CD34 Antibody (QBEnd/10 + HPCA1/763) [Alexa Fluor® 647]

| Product Information | |
|-------------------------|---|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | QBEnd/10 + HPCA1/763 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Lambda/IgG1 Lambda |
| Conjugate | Alexa Fluor 647 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Mouse |
| Gene ID | 947 |
| Gene Symbol | CD34 |
| Species | Human |
| Marker | Hematopoietic Stem Cell & Endothelial Marker |
| Specificity/Sensitivity | This monoclonal antibody recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. Its expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, CD34 is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. Its expression is also found in vascular endothelium. Additionally, it appears that proliferating endothelial cells express this molecule more than the non-proliferating endothelial cells. Anti-CD34 labels 85% of angiosarcoma and Kaposi sarcoma, but with a lower specificity. |
| Immunogen | Detergent solubilized vesicular suspension prepared from human term placenta (QBEnd/10); Recombinant full-length human CD34 protein (CD34/763) (Uniprot: P28906) |



Notes

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Product Application Details

| | |
|------------------------------|---|
| Applications | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Proximity Ligation Assay, Immunofluorescence, CyTOF-ready |
| Application Notes | Use in Proximity Ligation Assay reported in scientific literature (PMID: 31880322). Optimal dilution of this antibody should be experimentally determined. |

Images

CD34 Antibody (QBEnd/10 + HPCA1/763) [Alexa Fluor® 647] [NBP2-47909AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.





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Products Related to NBP2-47909AF647

| | |
|-----------------|------------------------------------|
| NBP2-53044-50ug | Recombinant Human CD34 His Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 9655-CD-050 | CD34 [Unconjugated] |
| DVE00 | VEGF [HRP] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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