

Product Datasheet

CD31/PECAM-1 Antibody (158-2B3)

NBP2-44341-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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CD31/PECAM-1 Antibody (158-2B3)

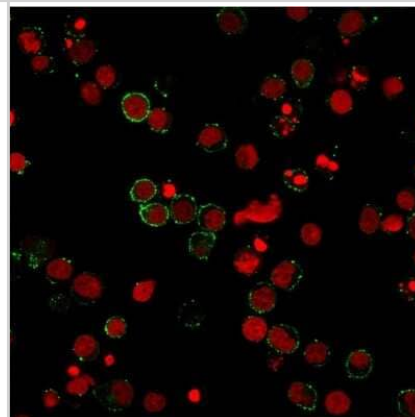
| Product Information | |
|-------------------------|--------------------------|
| Unit Size | 0.1 mg |
| Concentration | 0.2 mg/ml |
| Storage | Store at 4C. |
| Clonality | Monoclonal |
| Clone | 158-2B3 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 82.5 kDa |

| Product Description | |
|-------------------------|--|
| Description | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47784) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| Host | Mouse |
| Gene ID | 5175 |
| Gene Symbol | PECAM1 |
| Species | Human |
| Marker | Endothelial Cell Marker |
| Specificity/Sensitivity | 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 monoclonal antibody 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. |
| Immunogen | Stimulated human leukocytes (Workshop VI) |

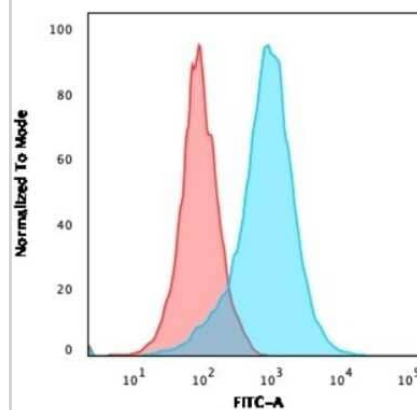
| Product Application Details | |
|-----------------------------|--|
| Applications | Flow Cytometry, Immunocytochemistry/ Immunofluorescence |
| Recommended Dilutions | Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml |
| Application Notes | Optimal dilution for a specific application should be determined. |

Images

Immunocytochemistry/Immunofluorescence: CD31/PECAM-1 Antibody (158-2B3) [NBP2-44341] - Immunofluorescent staining of PFA-fixed Jurkat cells using CD31/PECAM-1 Antibody (158-2B3) followed by goat anti-Mouse IgG conjugated with CF488 (green). Nuclei are labeled with Red Dot (red).



Flow Cytometry: CD31/PECAM-1 Antibody (158-2B3) [NBP2-44341] - Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD31/PECAM-1 Antibody (158-2B3) followed by goat anti-Mouse-IgG-CF488 (Blue); Isotype Control (Red).





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Products Related to NBP2-44341-0.1mg

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NBP2-54655PEP | CD31/PECAM-1 Recombinant Protein Antigen |

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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