## **Product Datasheet**

### CD31/PECAM-1 Antibody (SPM532) [mFluor Violet 500 SE] NBP2-34781MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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#### NBP2-34781MFV500

CD31/PECAM-1 Antibody (SPM532) [mFluor Violet 500 SE]

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   SPM532     Preservative   0.05% Sodium Azide     Isotype   IgG1 Kappa     Conjugate   mFluor Violet 500 SE     Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   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 expression can help to dedression molecules. CD31 is expressed by stem cells of the hematopoietic system and tis primarily used to identify and concentrate these cells for expression can help to dedression molecules. CD31 is expressed by stem cells of the CD31 sepression may imply a rapidy growing hematopoietic neoplasms) is rare. CD31 monoclonal antbody reacts with normal, benign, and maling of nonvascular tumotof the immunoglobulin supergene family of adhesion molecules. CD31 is expression may imply a rapi	Product Information	
services.StorageStore at 4C in the dark.ClonalityMonoclonalCloneSPM532Preservative0.05% Sodium AzideIsotypeIgG1 KappaConjugatemFluor Violet 500 SEPurityProtein A or G purifiedBuffer50mM Sodium BorateProduct Description6ene IDHostMouseGene SymbolPECAM1SpeciesHumanMarkerEndothelial Cell MarkerSpeciesHumanMarkerEndothelial Cell MarkerSpeciesStarm on the bright year of the nembor of the simmunoglobulin 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 vacular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic col CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidy growing tumor and potentially a predictor of tumor recurrence.ImmunogenHuman recombinant CD31/PECAM-1 protein (Unipro: P16284)NotesmFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated online of this product. The you'ne will be greater than or equal to the unit size atted on the datasheet.Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paradin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry-Paradin, CyTOF-ready	Unit Size	0.1 ml
Clonality   Monoclonal     Clone   SPM532     Preservative   0.05% Sodium Azide     Isotype   IgG1 Kappa     Conjugate   mFluor Violet 500 SE     Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   House     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 mailgnant endothelial cells which make up blood vessel normar angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.     Immunogen   Human recombinant CD31/PECAM-1 protein (Uniprot: P16284)     Notes   mFluor(TM) is a trademark of AAT Bioquest, inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be gr	Concentration	•
CloneSPM532Preservative0.05% Sodium AzideIsotypeIgG1 KappaConjugatemFluor Violet 500 SEPurityProtein A or G purifiedBuffer50mM Sodium BorateProduct DescriptionHostMouseGene ID5175Gene SymbolPECAM1SpeciesHumanMarkerEndothelial Cell MarkerSpecificity/SensitivityCD31 (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 moscular tumors (excluding hematopoietic neoplasms) is rare. CD31 monoclonal antibody reacts with normal, being, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression may imply a rapidly growing angiogenesis, and a high level of CD31 expression may imply a rapidly growing angiogenesis, and a high level of CD31 expression may imply a rapidly growing umor and potentially a predictor of tumor recurrence.ImmunogenHuman recombinant CD31/PECAM-1 protein (Uniprot: P16284)NotesmFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsWestern Blot, Flow Cytometry, Immunokistochemistry/ Immunofutorescence, Immunofutorescence, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Imm	Storage	Store at 4C in the dark.
Preservative0.05% Sodium AzideIsotypeIgG1 KappaConjugatemFluor Violet 500 SEPurityProtein A or G purifiedBuffer50mM Sodium BorateProduct DescriptionHostMouseGene ID5175Gene SymbolPECAM1SpeciesHumanMarkerEndothelial Cell MarkerSpecificity/SensitivityCD31 (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 specifier and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression and help are dictor of tumor recurrence.ImmunogenHuman recombinant CD31/PECAM-1 protein (Uniprot: P16284)NotesmFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry. Immunofistochemistry/ Immun	Clonality	Monoclonal
IsotypeIgG1 KappaConjugatemFluor Violet 500 SEPurityProtein A or G purifiedBuffer50mM Sodium BorateProduct DescriptionMouseHostMouseGene ID5175Gene SymbolPECAM1SpeciesHumanMarkerEndothelial Cell MarkerSpecificity/SensitivityCD31 (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 ysensitivity in angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiopetic sis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression ca	Clone	SPM532
ConjugatemFluor Violet 500 SEPurityProtein A or G purifiedBuffer50mM Sodium BorateProduct DescriptionHostMouseGene ID5175Gene SymbolPECAM1SpeciesHumanMarkerEndothelial Cell MarkerSpecificity/SensitivityCD31 (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 ransplantation. Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvacular tumors (excluding hematopoietic neoplasms) is rare. CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.ImmunogenHuman recombinant CD31/PECAM-1 protein (Uniprot: P16284)NotesmFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry. Immunocytochemistry/ Immunofluorescence, Immunohistochemistry. Immunocytochemistry/ Immunofluorescence, Immunohistochemistry. Immunocytochemistry/ Immunofluorescence, Immunohistochemistry. Paraffin, CyTOF-ready	Preservative	0.05% Sodium Azide
Purity   Protein A or G purified     Buffer   50mM Sodium Borate     Product Description   Host     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   Human recombinant CD31/PECAM-1 protein (Unipot: P16284)     Notes   mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohisto	Isotype	IgG1 Kappa
Buffer   50mM Sodium Borate     Product Description     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 turors (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 turor and potentially a predictor of tumor recurrence.     Immunogen   Human recombinant CD31/PECAM-1 protein (Uniprot: P16284)     Notes   mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready     Applications   Western Blot, Flow Cytometry,	Conjugate	mFluor Violet 500 SE
Product Description     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   Human recombinant CD31/PECAM-1 protein (Uniprot: P16284)     Notes   mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.     Product Application Details   Western Blot, Flow Cytometry, Immunohistochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready     Recommended Dilutions   Western Blot, Flow Cytometry, Immunohistochemistry-Paraffin, CyTOF-ready <th>Purity</th> <th>Protein A or G purified</th>	Purity	Protein A or G purified
HostMouseGene ID5175Gene SymbolPECAM1SpeciesHumanMarkerEndothelial Cell MarkerSpecificity/SensitivityCD31 (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.ImmunogenHuman recombinant CD31/PECAM-1 protein (Unipor: P16284)NotesmFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.Product Application DetailsWestern Blot, Flow Cytometry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunohistochemistry-Paraffin, CyTOF-ready	Buffer	50mM Sodium Borate
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ApplicationsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready	Notes	demand. Actual recovery may vary from the stated volume of this product. The
Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready	Product Application Details	
Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready	Applications	
Application Notes Optimal dilution of this antibody should be experimentally determined.	Recommended Dilutions	
	Application Notes	Optimal dilution of this antibody should be experimentally determined.



#### Images

CD31/PECAM-1 Antibody (SPM532) [mFluor Violet 500 SE] - Vial of mFluor Violet 500 conjugated antibody. mFluor Violet 500 is optimally excited at 410 nm by the Violet laser (405 nm) and has an emission maximum of 501 nm.



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#### Novus Biologicals USA

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#### **General Contact Information**

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#### Products Related to NBP2-34781MFV500

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210-TA-005	TNF-alpha [Unconjugated]
3628-PC-050	CD31/PECAM-1 [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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