

# Product Datasheet

## CD31/PECAM-1 Antibody (CO.3E1D4) [PE/Atto594] NB100-65900PEATT594

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NB100-65900PEATT594**

CD31/PECAM-1 Antibody (CO.3E1D4) [PE/Atto594]

| 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. Do not freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clone                       | CO.3E1D4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                     | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Conjugate                   | PE/Atto594                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                      | Protein G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene ID                     | 5175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Symbol                 | PECAM1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Species                     | Sheep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Reactivity Notes            | Use in Equine reported in scientific literature (PMID:33536069).                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity/Sensitivity     | NB100-65900 is specific for ovine CD31, also known as PECAM-1. Ovine CD31 is predominantly expressed by peripheral blood platelets and a small percentage of lymphocytes. CD31 is also highly expressed by ovine endothelial cells.                                                                                                                                                                                                                                                                                                            |
| Immunogen                   | Ovine leucocytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications                | Flow Cytometry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Recommended Dilutions       | Flow Cytometry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions. |





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### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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