

Product Datasheet

CD71 mAb (R17 217.1.3), InVivoPure+ (orb3127228)

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| Catalog Number | orb3127228 |
| Category | Antibodies |
| Description | CD71 (transferrin receptor 1, TfR1) is a type II transmembrane glycoprotein essential for iron uptake in proliferating cells. It is highly expressed on activated lymphocytes, hematopoietic progenitors, and rapidly dividing cells making it a valuable marker for cell proliferation and iron metabolism studies. The monoclonal antibody R17217.1.3 is a rat IgG2a antibody specific for mouse CD71. It is widely used in flow cytometry, immunohistochemistry, and in vivo depletion/blockade studies. |
| Target | CD71, TR, TfR, TfR1, |
| Clonality | Monoclonal |
| Species/Host | Rat |
| Isotype | Rat IgG2a |
| Conjugation | Unconjugated |
| Reactivity | Mouse |
| Form/Appearance | Clear Liquid, PBS, pH 7.4, 0.2 µm sterile filtered |
| Concentration | ≥ 1 mg/ mL |
| Purity | ≥ 95 % (CGE, reducing conditions) ≤ 5 % aggregates (analytical SEC) Endotoxin level ≤ 1 EU/mg |
| Immunogen | Animals were immunized with the mouse erythroleukemia line 745.6 |

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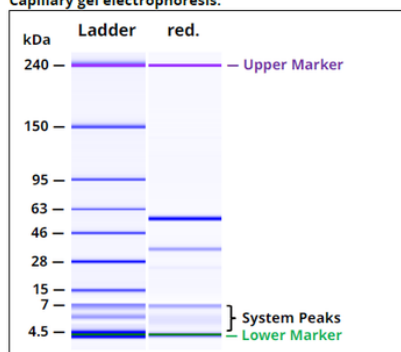
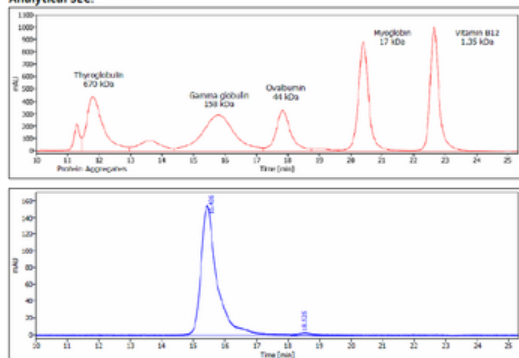
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|--------------------------|---|
| Application notes | Recommended Isotype: Rat IgG2a Isotype control, Recommended Isotype Catalog: orb2568795 |
| Antibody Type | Primary Antibody |
| Clone Number | R17 217.1.3 |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |

Capillary gel electrophoresis:*CGE of the purified protein under reducing (red.) conditions.***Analytical SEC:***Analytical SEC of purified protein (blue) in comparison with gel filtration standard (red).***Biorbyt Ltd.**

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