

# Product Datasheet

## beta 2-Microglobulin Antibody (C21.48A1) [DyLight 405] NBP3-11404V

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11404V**

beta 2-Microglobulin Antibody (C21.48A1) [DyLight 405]

| 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                       | C21.48A1   |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG2b Kappa  |
| Conjugate                   | DyLight 405  |
| Purity                      | Protein A or G purified  |
| Buffer                      | 50mM Sodium Borate   |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 567  |
| Gene Symbol                 | B2M  |
| Species                     | Human, Primate   |
| Reactivity Notes            | Non-Human primates.  |
| Marker                      | Renal Failure & Tumor Marker   |
| Specificity/Sensitivity     | The antibody recognizes the hidden determinant of beta-2 microglobulin (i.e. binding to its determinant is available only when the chain is separated from the HLA heavy chain. Beta-2 microglobulin is a 12KDa protein with a pI of 5.6. Serum beta2 microglobulin levels are a reflection of cell turnover. Levels rise with fever, inflammation, and infection. Increased serum levels are also seen in B-cell malignancies and in renal failure and may indicate a worse prognosis for patients with early-stage Hodgkins lymphoma. In urine, increased levels are seen in proximal renal tubular disease as well as renal transplant rejection. Beta2 microglobulin levels can rise either because its rate of synthesis has increased (e.g. in AIDS, malignant monoclonal plasma cell dyscrasia, solid tumours and autoimmune disease) or because of impaired renal filtration (e.g. due to renal insufficiency, graft rejection or nephrotoxicity induced by post-transplantation immunosuppressive therapy). |
| Immunogen                   | Soluble beta 2-Microglobulin (Uniprot: P61769)   |
| Notes                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |
| Product Application Details |  |
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence   |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP3-11404V**

|                   |  |
|-------------------|--|
| NBP1-43317V       | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 405] |
| NBP1-50840-0.01mg | Recombinant Human beta 2-Microglobulin His Protein                 |
| 210-TA-005        | TNF-alpha [Unconjugated]   |
| KGE019            | beta 2-Microglobulin [Biotin]                                      |

### **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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