

# Product Datasheet

## **Ku70/XRCC6 Antibody (KU729) [Alexa Fluor™ Plus 555] NBP2-34663AFP555**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34663AFP555**

Ku70/XRCC6 Antibody (KU729) [Alexa Fluor™ Plus 555]

| 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               | KU729   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Alexa Fluor Plus 555  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 2547   |
| Gene Symbol             | XRCC6  |
| Species                 | Human, Primate, Chicken (Negative), Mouse (Negative), Rat (Negative)   |
| Reactivity Notes        | Does not react with Mouse, Rat and Chicken.  |
| Marker                  | Nuclear Marker   |
| Specificity/Sensitivity | Recognizes a dimer of two proteins of 70kDa and ~80kDa, identified as two subunits of Ku. This monoclonal antibody recognizes a conformational epitope of p70/p80 dimer, which is destroyed during Western blotting. The p70/p80 dimer is important for function of a 460kDa DNA-dependent protein kinase. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.   |
| Immunogen               | Nuclear extract of human HL-60 cells   |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . 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 |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence |
| Recommended Dilutions       | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Flow (Intracellular) |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.        |





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### Products Related to NBP2-34663AFP555

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|               |  |
|---------------|--|
| NBP2-38567PEP | Ku70/XRCC6 Recombinant Protein Antigen |
| NBL1-17919    | Ku70/XRCC6 Overexpression Lysate       |
| NB100-143     | Nbs1 Antibody - BSA Free               |
| NB110-57130   | TRF-2 Antibody - BSA Free              |

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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.

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