

Product Datasheet

Dectin-1/CLEC7A Antibody (BD6) [CoraFluor™ 1] NBP1-21513CL1

Unit Size: 0.1 ml

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

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NBP1-21513CL1

Dectin-1/CLEC7A Antibody (BD6) [CoraFluor™ 1]

| 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 | BD6 |
| Preservative | No Preservative |
| Isotype | IgG2b |
| Conjugate | CoraFluor 1 |
| Purity | Protein G purified |
| Buffer | PBS |
| Product Description | |
| Description | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p>CoraFluor(TM) 1, amine reactive</p> <p>CoraFluor(TM) 1, thiol reactive</p> <p>For more information, please see our CoraFluor(TM) TR-FRET technology flyer.</p> |
| Host | Mouse |
| Gene ID | 64581 |
| Gene Symbol | CLEC7A |
| Species | Human |
| Reactivity Notes | Reacts with Human. |
| Specificity/Sensitivity | NBP1-21513 recognizes human Dectin-1, also known as beta-glucan receptor (betaGR), a C-type lectin domain family member. It is a major pathogen pattern-recognition receptor that binds beta-glucans, glucose polymers that form cell-wall components or exopolymers of yeasts, fungi and some bacteria. Beta-glucans have also been used experimentally and therapeutically as immunomodulators that enhance resistance to bacterial, yeast, viral and protozoan infections, as well as tumor formation. Dectin-1 also acts as a co-stimulatory molecule on T-cells to induce their proliferation and is necessary for the TLR2-mediated inflammatory response. It is highly expressed on peripheral blood leukocytes and dendritic cells. Human Dectin-1 has two major (betaGR-A and betaGR-B) and several minor isoforms. betaGR-A and betaGR-B differs by the presence and absence, respectively, of a stalk region. Clone BD6 recognizes betaGR-A only. |
| Immunogen | NIH3T3 cells expressing full length Beta-glucan receptor |



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|--------------|---|
| Notes | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254 |
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| Product Application Details | |
|------------------------------------|--|
| Applications | Flow Cytometry |
| Recommended Dilutions | Flow Cytometry |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP1-21513CL1

| | |
|---------------|---|
| NBP2-55630PEP | Dectin-1/CLEC7A Recombinant Protein Antigen |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 1859-DC-050 | Dectin-1/CLEC7A [Unconjugated] |
| M6000B-1 | IL-6 [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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