

Product Datasheet

IL-7 Antibody (7417.111) NB600-837

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB600-837

IL-7 Antibody (7417.111)

| Product Information | |
|---------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 7417.111 |
| Preservative | No Preservative |
| Isotype | IgG1 |
| Purity | Protein A purified |
| Buffer | PBS and 5% Trehalose |

| Product Description | |
|-------------------------|--|
| Host | Mouse |
| Gene ID | 3574 |
| Gene Symbol | IL7 |
| Species | Human |
| Specificity/Sensitivity | The has the ability to neutralize the biological activity of recombinant human IL-7. It may also be used as a capture in a human IL-7 ELISA. |
| Immunogen | Recombinant full length human IL7 protein. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, ELISA, Block/Neutralize |
| Recommended Dilutions | Western Blot 1-2 ug/ml, ELISA 1-2 ug/ml, Block/Neutralize |
| Application Notes | WB: Predicted molecular weight: 17 kDa. The exact concentration of antibody required to neutralize recombinant human IL7 activity is dependent on the cytokine concentration, cell type, growth conditions and the type of activity. The detection limit in immunoblotting for recombinant human IL7 is approximately 25 ng/lane and 300 ng/lane under nonreducing and reducing conditions, respectively. A working concentration of the capture antibody at 1-2 u g/ml (100ul/well) in combination with a biotinylated polyclonal detection antibody at 25 -50 ng/ml (100ul/well) is recommended to detect human interleukin 7. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. |

Publications

Cai J, Zhao J, Liu D et al. Efficacy and Safety of Central Memory T Cells Combined With Adjuvant Therapy to Prevent Recurrence of Hepatocellular Carcinoma With Microvascular Invasion: A Pilot Study *Frontiers in oncology* 2021-12-03 [PMID: 34926296]

Vandooren J, Pereira Rvs, Ugarte-Berzal E Et Al. Internal Disulfide Bonding and Glycosylation of Interleukin-7 Protect Against Proteolytic Inactivation by Neutrophil Metalloproteinases and Serine Proteases *Frontiers in immunology* 2021 -06-30 [PMID: 34276694]





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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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