# B-Lymphocyte Activation Antigen B7-1 (LAB7-1) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | B-Lymphocyte Activation Antigen B7-1 (LAB7-1), Polyclonal Antibody |
| **Full Product Name** | HRP-Linked Polyclonal Antibody to B-Lymphocyte Activation Antigen B7-1 (LAB7-1) |
| **Product Gene Name** | anti-LAB7-1 antibody |
| **Product Synonym Names** | CD80; CD28LG; CD28LG1; BB1; B7-1 Antigen; T-lymphocyte activation antigen CD80; CTLA-4 counter-receptor B7.1 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Mouse |
| **Concentration** | 500ug/ml (lot specific) |
| **Matching Pairs** | Unconjugated Antibody: LAB7-1 (MBS2026600)<br>HRP Conjugated Antibody: LAB7-1 (MBS2054635) |
| **Matching Pairs** | HRP Conjugated Antibody: LAB7-1 (MBS2054635)<br>Immunogen: LAB7-1 (MBS2029553) |
| **Molecular Weight** | 24,051 Da |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire. |
| **Immunogen** | LAB7-1 (Asp38~Asn246) |
| **Conjugation** | HRP |
| **Cross Reactivity** | Mouse |
| **Unconjugated Antibody** | The unconjugated antibody version of this item is also available as catalog #MBS2026600 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory. |
| **Applications Tested/Suitable for anti-LAB7-1 antibody** | Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA) |
| **Related Product Information for anti-LAB7-1 antibody** | MBS2054635 is an antibody targeting LAB7-1. Also known as HRP-Linked Polyclonal Antibody to B-Lymphocyte Activation Antigen B7-1 (LAB7-1). Reactive in Mouse. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-LAB7-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LAB7-1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 13540790 |
| **NCBI GeneID** | 12519 |
| **NCBI Accession #** | AAB32535.2 |
| **UniProt Secondary Accession #** | Q61332 |

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| **UniProt Related Accession #** | Q00609 |
| **NCBI Official Full Name** | B lymphocyte activation antigen B7-1, partial |
| **NCBI Official Synonym Full Names** | CD80 antigen |
| **NCBI Official Symbol** | Cd80 |
| **NCBI Official Synonym Symbols** | B71; Ly53; TSA1; Cd28l; Ly-53; MIC17 |
| **UniProt Protein Name** | T-lymphocyte activation antigen CD80 |
| **UniProt Synonym Protein Names** | Activation B7-1 antigen; B7; CD_antigen: CD80 |
| **UniProt Gene Name** | Cd80 |
| **UniProt Synonym Gene Names** | B7; B7 |
| **NCBI Protein Information** | T-lymphocyte activation antigen CD80 |
| **UniProt Comments for LAB7-1** | CD80: Involved in the costimulatory signal essential for T- lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.<br><br>Protein type: Immunoglobulin superfamily; Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 16 B4\|16 26.86 cM<br><br>Cellular Component: cell surface; external side of plasma membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: positive regulation of alpha-beta T cell proliferation; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of T cell proliferation; T cell costimulation |
| **Research Articles on LAB7-1** | **1.** Meningococcal capsular polysaccharide-loaded vaccine nanoparticles induce expression of CD80. |
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