

## Rabbit anti-Human B7-1 Polyclonal Antibody | anti-CD80 antibody

Anti-B7-1 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA255088</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

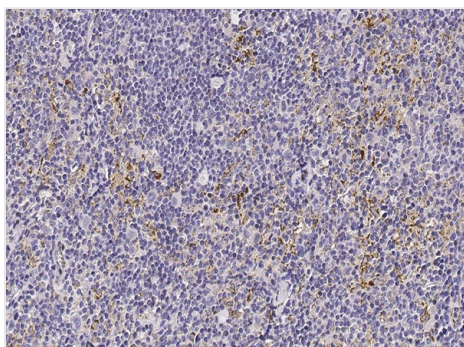
### PRODUCT SYNONYMS

B7-1; Polyclonal Antibody; Anti-B7-1 Antibody; Rabbit Polyclonal; CD80/B7-1 Antibody; Rabbit PAb; Antigen Affinity Purified; CD80 molecule; Anti-B7 Antibody; Anti-B7.1 Antibody; Anti-BB1 Antibody; Anti-CD28LG Antibody; Anti-CD28LG1 Antibody; Anti-LAB7 Antibody; anti-CD80 antibody

### PRODUCT SPECIFICATIONS

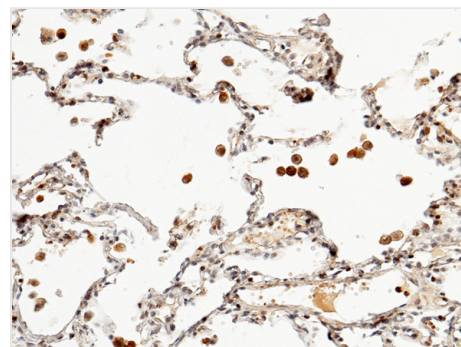
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|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                    | Human CD80/B7-1                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-CD80 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                     |
| Immunogen                                      | Recombinant Human CD80/B7-1 protein                                                                                                                                                                                                                                   |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | Produced in rabbits immunized with purified, recombinant Human CD80/B7-1 (rh CD80/B7-1). CD80/B7-1 specific IgG was purified by Human CD80/B7-1 affinity chromatography.                                                                                              |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



**IHC (Immunohistochemistry)**

Immunochemical staining of human B7-1 in human Hodgkin lymphoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



**IHC (Immunohistochemistry)**

Immunochemical staining of human B7-1 in human lung with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD80 antibody | The B-lymphocyte activation antigen B7-1 (referred to as B7), also known as CD80, is a member of cell surface immunoglobulin superfamily and is expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. As costimulatory ligands, B7-1 which exists predominantly as dimer and the related protein B7-2, interact with the costimulatory receptors CD28 and cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) expressed on T cells, and thus constitute one of the dominant pathways that regulate T cell activation and tolerance, cytokine production, and the generation of CTL. The B7/CD28/CTLA4 pathway has the ability to both positively and negatively regulate immune responses. CD80 is thus regarded as promising therapeutic targets for autoimmune diseases and various carcinomas. |
| Product Categories/Family for anti-CD80 antibody   | <a href="#">Cancer Drug Targets</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                         | Greenfield EA, et al. (1998) CD28/B7 costimulation: a review. Crit Rev Immunol. 18(5): 389-418.Zang X, et al. (2007) The B7 family and cancer therapy: costimulation and coinhibition. Clin Cancer Res. 13(18 Pt 1): 5271-9.Mir MA, et al. (2008) Signaling through CD80: an approach for treating lymphomas. Expert Opin Ther Targets. 12(8): 969-79.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4885123</a>                                                  |
| NCBI GeneID                      | <a href="#">941</a>                                                      |
| NCBI Accession #                 | <a href="#">NP_005182.1</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_005191.3</a>                                              |
| UniProt Accession #              | <a href="#">P33681</a> ; <a href="#">Q5DTA9</a> ; <a href="#">Q5DTB0</a> |
| NCBI Official Full Name          | T-lymphocyte activation antigen CD80                                     |
| NCBI Official Synonym Full Names | CD80 molecule                                                            |
| NCBI Official Symbol             | CD80                                                                     |
| NCBI Official Synonym Symbols    | B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1                               |
| NCBI Protein Information         | T-lymphocyte activation antigen CD80                                     |
| UniProt Protein Name             | T-lymphocyte activation antigen CD80                                     |
| UniProt Gene Name                | <b>CD80</b>                                                              |
| UniProt Synonym Gene Names       | CD28LG; CD28LG1; LAB7; B7                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/b7-1-antibody-immunohistochemistry-elisa/255088>