

## ARG44027 anti-CD80 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes CD80  |
| Tested Reactivity   | Hu, Ms  |
| Tested Application  | IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | CD80  |
| Species             | Human   |
| Immunogen           | Human CD80 recombinantprotein   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | CD80; CD80 Molecule; CD28LG1; CD28LG; B7.1; B7-1; CD80 Antigen (CD28 Antigen Ligand 1; B7-1 Antigen); T-Lymphocyte Activation Antigen CD80; B-Lymphocyte Activation Antigen B7; CTLA-4 Counter-Receptor B7.1; Activation B7-1 Antigen; LAB7; BB1; B7; Costimulatory Molecule Variant IgV-CD80; Costimulatory Factor CD80; CD80 Molecule; CD80 Antigen |

### Application Instructions

| Application table | Application  | Dilution  |
|-------------------|--|-----------|
|                   | IHC-P  | 2 µg/mL   |
|                   | WB   | 1-2 µg/mL |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |           |

### Properties

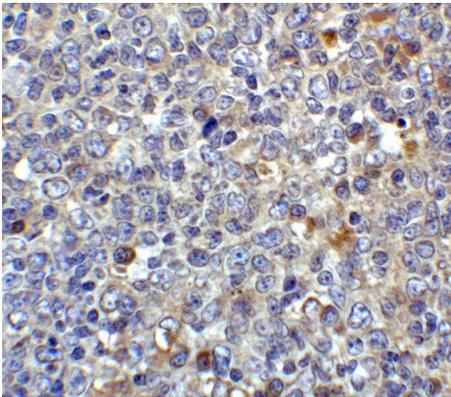
|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purified.   |
| Buffer              | PBS containing 0.02% sodium azide  |
| Preservative        | 0.02% sodium azide   |
| Concentration       | 1 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

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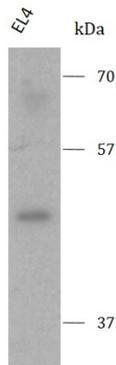
|                       |   |
|-----------------------|---|
| Gene Symbol           | CD80  |
| Gene Full Name        | CD80 Molecule   |
| Background            | The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. |
| Function              | Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation.  |
| Calculated Mw         | 33 kDa  |
| PTM                   | Disulfide bond, Glycoprotein, Phosphoprotein  |
| Cellular Localization | Membrane  |

## Images



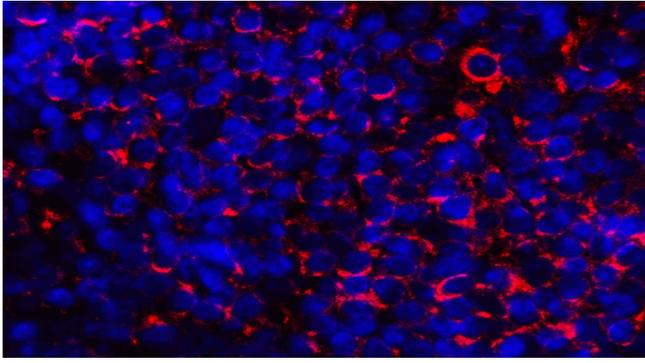
ARG44027 anti-CD80 antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG44027 anti-CD80 antibody at 5  $\mu\text{g}/\text{ml}$  dilution.



ARG44027 anti-CD80 antibody WB image

Western blot: EL4 stained with ARG44027 anti-CD80 antibody at 1  $\mu\text{g}/\text{ml}$  dilution.



ARG44027 anti-CD80 antibody IHC-P image

Immunofluorescence: Human tonsil stained with ARG44027 anti-CD80 antibody at 20  $\mu\text{g}/\text{ml}$  dilution.