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**Product Name: CD80 Mouse Monoclonal Antibody****Catalog #: AMM82267**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | IHC,ELISA,FC  |
| <b>Reactivity</b>    | Human,Mouse,Rat,Rabbit  |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | IHC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 33kDa   |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | CD80   |
| <b>Alternative Names</b> | B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1                                     |
| <b>Gene ID</b>           | 941.0  |
| <b>SwissProt ID</b>      | P33681   |
| <b>Immunogen</b>         | Purified recombinant fragment of human CD80 (AA: 35-288) expressed in E. Coli. |

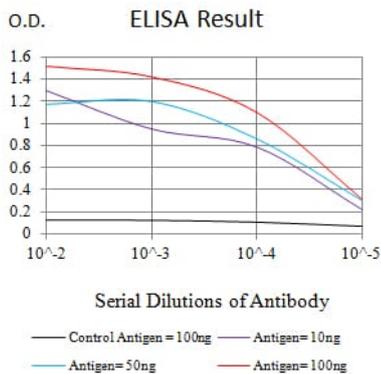
**Background**

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. [provided by RefSeq, Aug 2011]

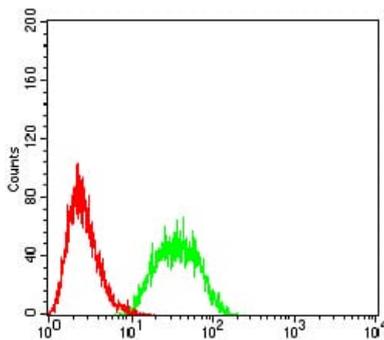
## Research Area

TGF-beta signaling pathway

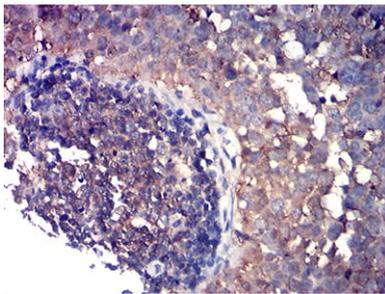
## Image Data



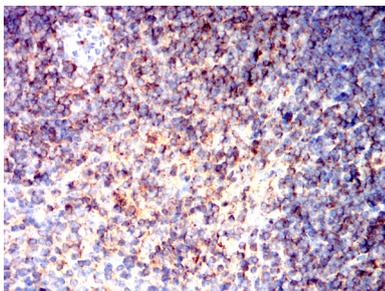
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



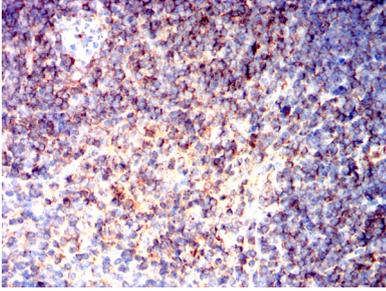
Flow cytometric analysis of HL-60 cells using CD80 mouse mAb (green) and negative control (red).



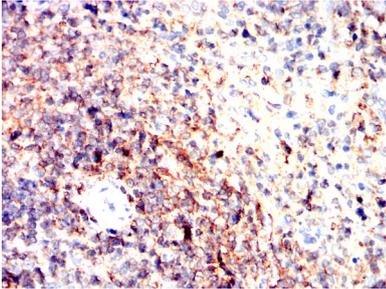
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CD80 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse spleen using CD80 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat spleen using CD80 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit spleen using CD80 mouse mAb with DAB staining.