

## Mouse CD83 Monoclonal Antibody | anti-CD83 antibody

Anti-Hu CD83 PE-Cyanine5

| CATALOG # | HOST  | REACTIVITY                | APPLICATIONS                     |
|-----------|-------|---------------------------|----------------------------------|
| AAA128571 | Mouse | Human, Non-human primates | Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

CD83; Monoclonal Antibody; Anti-Hu CD83 PE-Cyanine5; CD83 molecule; BL11; HB15; anti-CD83 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                 |
| Reactivity                                     | Human, Non-human primates                                                                                                                             |
| Clonality                                      | Monoclonal                                                                                                                                            |
| Isotype                                        | IgG1 kappa                                                                                                                                            |
| Clone Number                                   | HB15e                                                                                                                                                 |
| Specificity                                    | The mouse monoclonal antibody HB15e recognizes an extracellular epitope of CD83, a 40-45 kDa type I glycoprotein expressed on mature dendritic cells. |
| Purity/Purification                            | The purified antibody is conjugated with tandem dye PE-Cyanine5 under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Form/Format                                    | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                    |
| Sequence Length                                | 204                                                                                                                                                   |
| Applicable Applications for anti-CD83 antibody | FCM/FACS (Flow Cytometry)                                                                                                                             |
| Immunogen                                      | Human CD83-transfected Cos cells                                                                                                                      |
| Conjugation                                    | PE-Cyanine5                                                                                                                                           |
| Preparation and Storage                        | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                  |

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD83 antibody | CD83 is a 40-45 kDa heavily glycosylated type I cell surface glycoprotein of immunoglobulin family. It is expressed on the surface of mature dendritic cells, Langerhans cells in the skin, and interdigitating reticulum cells in the lymphoid tissues. Low expression of CD83 has been reported in activated T and B cells. Cytoplasmic expression of CD83 can be detected also in monocytes and macrophages. CD83 is involved in modulation of antigen presentation. Soluble CD83 has immunoregulatory functions, it is able to down-regulate dendritic cell maturation and stimulation of T cells. In the developing immune system, release of soluble CD83 from dendritic cells upon stimulation by gram-positive or gram-negative bacteria has anti-allergic effect. Herpes simplex virus, on the other hand, causes CD83 degradation in mature dendritic cells. |
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### NCBI AND UNIPROT INFORMATION

|                  |                                |
|------------------|--------------------------------|
| NCBI GI #        | <a href="#">94421024</a>       |
| NCBI GeneID      | <a href="#">9308</a>           |
| NCBI Accession # | <a href="#">NP_001035370.1</a> |

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GenBank Nucleotide #        | NP_001035370.1         |
| UniProt Accession #              | Q01151                 |
| NCBI Official Full Name          | CD83 antigen isoform b |
| NCBI Official Synonym Full Names | CD83 molecule          |
| NCBI Official Symbol             | CD83                   |
| NCBI Official Synonym Symbols    | BL11; HB15             |
| NCBI Protein Information         | CD83 antigen           |
| UniProt Protein Name             | CD83 antigen           |
| UniProt Gene Name                | <b>CD83</b>            |
| UniProt Synonym Gene Names       | hCD83                  |
| UniProt Entry Name               | CD83_HUMAN             |

**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://www.aaabiotech.com/monoclonal/cd83-antibody-clone-hb15e-flow-cytometry-elisa/128571>