



Rabbit Anti-CD83 antibody

SL2519R

Product Name:	CD83
Chinese Name:	CD83抗体
Alias:	B cell activation 45kDa cell surface glycoprotein Ig superfamily; B cell activation protein; BL11; BL11 PEN; CD83 molecule; Cell surface protein HB15; HB15; MGC130312; MGC130313; Cell surface protein HB15; CD83_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	21kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CD83:121-196/196<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The CD83 antigen is a 186 amino acid single chain glycoprotein. This molecule is a member of the immunoglobulin superfamily and is composed of an extracellular V type immunoglobulin-like single domain, a transmembrane region, and a short, 40 amino acid cytoplasmic tail. CD83 antigen undergoes extensive post translational glycosylation, as the determined Mr is twice the predicted size of the core protein.

However, CD83+ cells have a unique cell surface immunophenotype that does not correlate with that of T cells, B cells, NK cells, or cells of the myelomonocytic lineage. CD83+ cells coexpress the highest levels of MHC class II molecules, when compared with other leucocyte lineages. They also coexpress T cell markers (CD2, CD5), B cell markers (CD40, CD78), myeloid cell markers (CD13, CD33, CD36) and cytokine receptors, as well as other cell surface molecules.

Function:

May play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation (By similarity).

Subunit:

Monomer.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Abundantly expressed in spleen and brain, but is also detected in most tissues analyzed.

Similarity:

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

Q01151

Gene ID:

9308

Database links:

[Entrez Gene: 9308](#)Human

[Entrez Gene: 12522](#)Mouse

[Entrez Gene: 361226](#)Rat

[Omim: 604534](#)Human

[SwissProt: Q01151](#)Human

[SwissProt: O88324](#)Mouse

[Unigene: 595133](#)Human

[Unigene: 57175](#)Mouse

[Unigene: 20096](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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