CD83 polyclonal antibody

Catalog: BS67542 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

CD83 is a single-transmembrane protein with a calculated molecular weight (MW) of 23 kDa, but due to heavy and differential glycosylation, its apparent MW ranges from 23 to 70 kDa. CD83 is predominantly expressed on mature dendritic cells (DCs) and has been used as a DC activation/maturation marker as its increased expression is correlated with upregulation of HLA class II antigen expression on DCs . CD83 is also expressed at a low level on lymphocytes and is upregulated upon lymphocyte activation . Thymic epithelial cells also express CD83, which is required for normal CD4+ T cell development. CD83 is also expressed as a soluble form (sCD83) that can be found in serum of healthy adults. sCD83 has been shown to negatively regulate immune response by lymphocytes .

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 44 kDa

Swiss-Prot:

Q01151

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

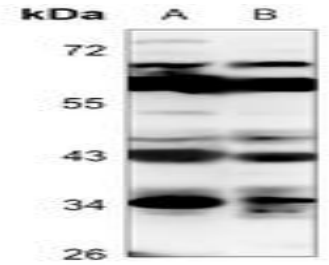
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

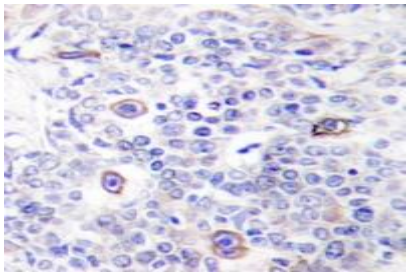
Specificity:

Recognizes endogenous levels of CD83 protein.

DATA:



Western blot analysis of CD83 expression in rat thymus (A), mouse lung (B), HuT78 (C) whole cell lysates.



Immunohistochemical analysis of CD83 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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