

MHC class I Recombinant Rabbit mAb

Catalog: BS66218

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The human leukocyte antigen (HLA) system is a gene complex encoding the major histocompatibility complex (MHC) proteins in humans. These cell surface proteins are responsible for the regulation of antigen-specific immunity in humans. HLA genes are highly polymorphic, allowing them to fine-tune the adaptive immune response. HLAs corresponding to MHC class I (HLA-A, B, and C) present small peptide antigens from inside the cell, approximately 8 to 10 amino acids in length, to CD8+ T lymphocytes in order to activate a cytotoxic T cell response. HLAs corresponding to MHC class II (HLA-DP, DM, DO, DQ, and DR) present antigens from outside of the cell, approximately 15 to 24 residues in length, to CD4+ T helper cells, which in turn secrete cytokines and stimulate B cells to produce antibodies to that specific antigen. HLAs corresponding to MHC class III encode components of the complement system.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 41 kDa

Swiss-Prot:

P30443; P01889; P01891; P01892; P13746; P16188; P30450

Purification&Purity:

The antibody was affinity-purified from cell culture supernatant by protein A+G and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:1000

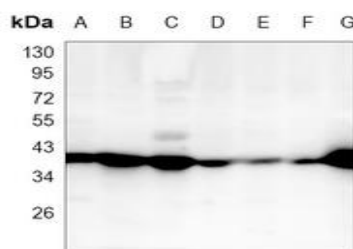
Storage&Stability:

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

Specificity:

MHC class I mAb detects endogenous levels of MHC class I protein.

DATA:



Western blot analysis of MHC class I expression in HEK293T (A), H1792 (B), HCT116 (C), mouse brain (D), mouse kidney (E), rat brain (F), rat kidney (G) whole cell lysates.

Note:

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

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