



H2-I/E κ (5K42): sc-71204

BACKGROUND

Major histocompatibility complex (MHC) molecules, which include human leukocyte antigens (HLAs), form an integral part of the immune response system. They are cell-surface receptors that bind foreign peptides and present them to cytotoxic T lymphocytes (CTLs). MHC class I molecules consist of two polypeptide chains, an α or heavy chain and a non-covalently associated protein, β 2-microglobulin. MHC class II molecules consist of a non-covalent complex of an α and β chain. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes. H2-E is an MHC class II molecule and the mouse homolog of human HLA-DR.

REFERENCES

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SOURCE

H2-I/E κ (5K42) is a mouse monoclonal antibody raised against C3H skin graft and splenocytes of mouse origin.

PRODUCT

Each vial contains 100 μ g IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

H2-I/E κ (5K42) is available conjugated phycoerythrin (sc-71204 PE, 100 tests in 2 ml), for IF, IHC(P) and FCM.

APPLICATIONS

H2-I/E κ (5K42) is recommended for detection of H2-I/E κ alloantigen on cells of the H-2r haplotype of mouse origin by flow cytometry (1 μ g per 1 x 10⁶ cells); non cross-reactive with H2-d and H2-p haplotypes.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.