MHC class II (I-Ek) Mouse Anti-Mouse/Rat Monoclonal Antibody (clone 14-4-4S) PE Conjugate

Store at 2°C to 8°C

Catalog No. A16209
Form PE
Amount 50 μg (0.2 mg/mL)
Excitation 496 nm
Peak Emission 578 nm

Clone 14-4-4S
Host/Class Mouse IgG2a

Description The MHC class II (I-Ek) Mouse Anti-Mouse/Rat Monoclonal Antibody (mAb) recognizes the mouse and rat major histocompatibility complex class II, I-E subregion-encoded glycoprotein. MHC class II is expressed on B cells, monocytes, macrophages, and dendritic cells. The I-E antigen is expressed on H-2k, H-2d, H-2p and H-2r strains of mouse, while H-2b, H-2f and H-2s haplotypes do not express the I-E antigen. The MHC class II (I-Ek) Mouse Anti-Mouse/Rat mAb has been reported to block antigen presentation in in vitro assays.

Alternate Names MHC II, IE-k, IEk
Reactivity Mouse/Rat MHC Class II (I-Ek)
Applications* FC (mouse splenocyte suspensions)

Storage Buffer The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

Storage Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.

Stability When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.

Lot Number See product label.

References

* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

For Research Use Only. Not for use in diagnostic procedures.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288
Explanation of Symbols
The symbols present on the product label are explained below:

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<tbody>
<tr>
<td>Manufacturer</td>
<td>REF</td>
<td>Catalog number</td>
<td>LOT</td>
<td>Batch code</td>
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<tr>
<td>Use by</td>
<td>Temperature limitation</td>
<td>Consult instructions for use</td>
<td>Caution, consult accompanying documents</td>
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