

ABflo® 488 Rabbit anti-Mouse H-2Kd/H-2Dd mAb

Catalog No.: A27736

Basic Information

Observed MW

Calculated MW

41kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC73180

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

FC ≤0.5 µg per million cells
in 100 µl volume

Background

H-2Kd and H-2Dd are classical MHC class I alloantigens encoded within the murine major histocompatibility complex (H-2 system). These transmembrane glycoproteins function as critical components of the adaptive immune system by mediating antigen presentation to cytotoxic T lymphocytes (CTLs) through interactions with the CD3/T-cell receptor (TCR) complex and the CD8 co-receptor. Structurally, these MHC I molecules consist of a polymorphic heavy α -chain non-covalently associated with the invariant light chain β 2-microglobulin (β 2m), forming a peptide-binding groove that accommodates 8-10 amino acid antigenic peptides derived from endogenous protein degradation via the proteasomal pathway.

Immunogen Information

Gene ID

14972/14964

Swiss Prot

P01902/P01900

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

H2-D1; H-2D; H2-K1; H-2K; H2-K

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

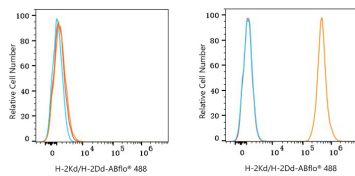
Affinity purification

Storage

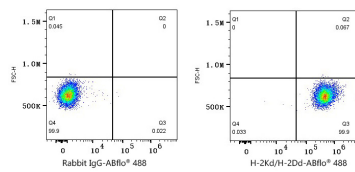
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes (negative control, left) and BALB/c mouse splenocytes (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse H-2Kd/H-2Dd mAb (A27736, 0.5 μ g, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 0.5 μ g, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 BALB/c mouse splenocytes were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 0.5 μ g, left) or ABflo® 488 Rabbit anti-Mouse H-2Kd/H-2Dd mAb (A27736, 0.5 μ g, right).