Product datasheet MON9878



## Mouse anti-MHC II DRA, clone EBS-O-111 (Monoclonal)

Clone no. EBS-O-111 MONOSAN

Product name Mouse anti-MHC II DRA, clone EBS-O-111 (Monoclonal)

**Host** Mouse

**Applications** FC, IHC-fr, IHC-P

Species reactivity human

Conjugate -

Immunogen RAJI cells

lsotype lgG2a-K

**Clonality** Monoclonal

Clone number EBS-O-111

Size 100 ug

Concentration 100 ug/ml

Format -

Storage buffer PBS with 0.02% sodium azide

Storage until expiry date 2-8°C

## FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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## Additional info

MHC class II molecules are encoded by polymorphic MHC genes and consist of a non-covalent complex of an  $\alpha$  and  $\beta$  chain. Helper T lymphocytes bind antigenic peptides presented by MHC class II molecules. MHC class II molecules bind 13-18 amino acid antigenic peptides. Accumulating in endosomal/lysosomal compartments and on the surface of B-cells, HLA-DM and -DO molecules regulate binding of exogenous peptides to class II molecules (HLA-DR) by sustaining a conformation that favors peptide exchange. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes

References

- 1. Thompson CJ et al., Human Immunol 6: 133-150 (1983)
- 2 Rask L, et al., Autoimmunity 8(3):237-244 (1991)
- 3. -
- 4.
- 5. -

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