

CD200 (E2K4C) Rabbit mAb

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Applications: W, IP, FC-L	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 45-50	Source/Isotype: Rabbit IgG	UniProt ID: #P41217	Entrez-Gene Id: 4345
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation
Flow Cytometry (Live)

Dilution

1:1000
1:200
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

CD200 (E2K4C) Rabbit mAb recognizes endogenous levels of total CD200 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with human CD200 recombinant protein and reacts with an epitope surrounding Pro189.

Background

CD200 (OX2) and CD200R (OX2R) are membrane glycoprotein members of the Ig superfamily (1-3). CD200 is expressed by a range of cells, including neurons, epithelial cells, endothelial cells, fibroblasts, and lymphoid cells, while its receptor, CD200R, is found on myeloid and T cells (1-5). Interaction between CD200 and CD200R downregulates macrophage function and plays a role in immunosuppression and regulation of anti-tumor immune responses (3-7).

Background References

1. Barclay, A.N. (1981) *Immunology* 44, 727-36.
2. McCaughan, G.W. et al. (1987) *Immunogenetics* 25, 329-35.
3. Wright, G.J. et al. (2000) *Immunity* 13, 233-42.
4. Hoek, R.M. et al. (2000) *Science* 290, 1768-71.
5. Wright, G.J. et al. (2003) *J Immunol* 171, 3034-46.
6. Kretz-Rommel, A. et al. (2007) *J Immunol* 178, 5595-605.
7. Fallarino, F. et al. (2004) *J Immunol* 173, 3748-54.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation **FC-L:** Flow Cytometry (Live)

Cross-Reactivity Key

H: Human

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