

Product Datasheet

Anti-CD226 [10E5] (orb758861)

Catalog Number	orb758861
Category	Antibodies
Description	Rat monoclonal antibody to CD226
Target	CD226
Clonality	Monoclonal
Species/Host	Rat
Isotype	IgG2b
Conjugation	Unconjugated
Reactivity	Mouse
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	This antibody was raised by immunising Lewis and Lou/M rats with the murine Th1 cell clone AE7 and Th1 cell lines derived from 5B6 and DO11.10 TCR transgenic mice, before screening for reactivity with Th1 clones and a lack of reactivity to Th2/Th0 cell lines.
UniProt ID	Q8K4F0
Tested applications	FC
Specificity	This antibody is specific for murine CD226.

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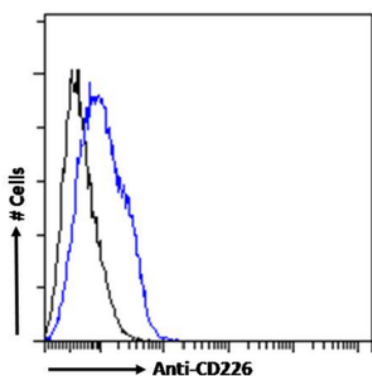
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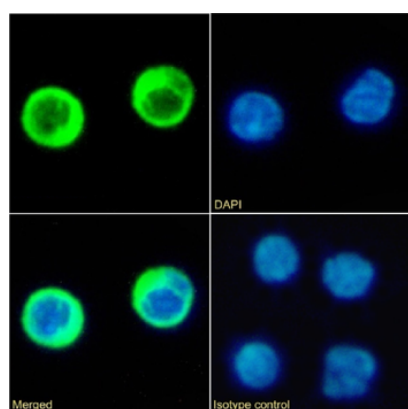
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Clone Number	10E5
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometry using the Anti-CD226 antibody 10E5. Paraformaldehyde fixed mouse splenocytes were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of 10E5 (orb758860, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of fixed mouse splenocytes with anti-CD226 antibody 10E5. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 10E5 (orb758860) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb758860, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256449) followed by staining with Alexa Fluor® 488 secondary antibody.

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Western Blot using anti-CD266 antibody 10E5 Mouse spleen tissue lysates (35 μ g protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 10E5 (orb758860) at 2 μ g/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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