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	isoforms are termed CD45RA or CD45RO etc.
Uniprot ID:	<u>P06800</u>
NCBI:	<u>10090</u>
Host / Isotype:	Rat / IgG1
Clone:	IBL3/16
Immunogen:	Purified B cells from mouse lymph nodes. Remarks: Spleen cells from an immunised Wistar rat were fused with cells of the SP2/0-Ag14 mouse myeloma cell line.
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography Protein G Buffer System: PBS, pH 7.2 with 0.1% BSA as stabilizer and 0.09% Sodium Azide as preservative
Applications:	 Flow Cytometry: Use 10 μl of 1/50-1/100 diluted antibody to label 10e6 cells in 100 μl. Immunofluorescence. Immunohistochemistry on Frozen Sections: 1/50-1/100. Not suitable for Paraffin, Resin Sections and Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes Mouse CD45. It Enhances the MHC Class II induced cluster formation of mouse B cells.
Species Reactivity:	Tested: Mouse. Does not react with Rat or Human.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



SM035P: Monoclonal Antibody to CD45 / LCA - Purified

Storage:

Store the antibody undiluted at 2-8°C for up to one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General References: 1. Clausen, B.H. et al. (2008) Interleukin-1beta and tumor necrosis factor-alpha are expressed by different subsets of microglia and macrophages after ischemic stroke in mice. J. Neuroinflammation. 5:46.

2. Balogh, P., Balázs, M. and A. Kumánovicx (1995) Modulatory effect of CD45 on the MHC Class II-induced homotypic aggregation of B cells in mice. In 9th International Congress of Immunology, Abstract book p. 72. No. 422.

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4. Kondo, Y. et al. (2011) Macrophages counteract demyelination in a mouse model of globoid cell leukodystrophy. J Neurosci. 31: 3610-24.

5. Boger, H.A. et al. (2007) Long-term consequences of methamphetamine exposure in young adults are exacerbated in glial cell line-derived neurotrophic factor heterozygous mice. J Neurosci. 27: 8816-25.

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8. Jiang, H.R. et al. (2001) Total dose and frequency of administration critically affect success of nasal mucosal tolerance induction. Br J Ophthalmol. 85: 739-44.

9. Peng, Y. et al. (2010) L-3-n-butylphthalide improves cognitive impairment and reduces amyloid-beta in a transgenic model of Alzheimer's disease. J Neurosci. 30: 8180-9.
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11. Li, L. et al. (2008) GRK5 deficiency exaggerates inflammatory changes in TgAPPsw mice. J Neuroinflammation. 5: 24.

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