

## Monoclonal Antibody to KLRA6 - FITC

<b>Alternate names:</b>	Killer cell lectin-like receptor 6, Ly-49f, Ly49-f, Ly49F, Lymphocyte antigen 49f, T-cell surface glycoprotein Ly-49F
<b>Catalog No.:</b>	AM08066FC-N
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	Ly49F is a member of the lectin like homodimeric Ly49 family of cell surface receptors. (Ref.1) Mouse Ly49 receptors exhibit allelic specificity for MHC class I Ia molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells, while allowing them to attack infected or transformed cells in which class I molecules have been down regulated. (Ref.2) These inhibitory receptors are also expressed on a subpopulation of mouse CD8+ T cells.
<b>Uniprot ID:</b>	<a href="#">Q60653</a>
<b>NCBI:</b>	<a href="#">NP_032490.1</a>
<b>GeneID:</b>	<a href="#">16637</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	HBF-719
<b>Immunogen:</b>	CHO cells transfected with the B6 allele of Ly49F. (Ref.1)
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.1,3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody HBF-719 reacts with the B6 allele of Ly49F. It stains ~ 11% of NK1.1+CD3- splenocytes, and 3.5% (2.5 month old) to 10.0% (11 month old) of CD8+ spleen cells from C57BL/6 mice. (Ref.1) <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Coles, M.C., C.W. McMahon, H. Takizawa, and D.H. Raulet. 2000. Eur. J. Immunol. 30:236. 2. Ljunggren, H.G., and K. Karre. 1990. Immunol. Today 11:237. 3. Liu, S., and D.H. Raulet. Personal communication.

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