

## Product datasheet for **SM2048F**

### **LAIR1 Mouse Monoclonal Antibody [Clone ID: NKTA255]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	NKTA255
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10e6 cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NK cells lines B12.100 and AM.25.
Specificity:	This antibody recognizes leukocyte-associated Ig-like receptor-1 (LAIR-1). Clone NKTA255 is reported to inhibit NK cell triggering via CD16 molecules (Ref.3)
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% BSA Label: FITC State: Liquid purified IgG fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store 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.
Stability:	Shelf life: one year from despatch.
Gene Name:	leukocyte associated immunoglobulin like receptor 1
Database Link:	<a href="#">Entrez Gene 3903 Human</a> <a href="#">Q6GTX8</a>

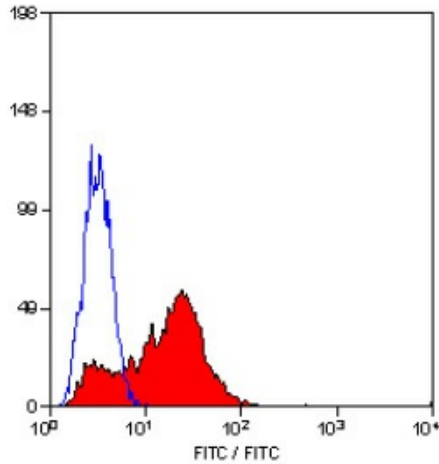


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**Background:** LAIR-1 is a 40kD cell surface molecule that functions as an inhibitory receptor on natural killer cells, monocytes and T cells. LAIR-1, otherwise known as CD305, is also expressed by other haematopoietic cells including B cells, but is not expressed by nonhaematopoietic, platelets or erythrocytes.

**Synonyms:** LAIR-1, hLAIR1

**Product images:**



Staining of Human peripheral blood lymphocytes with Mouse Anti Human CD305 antibody FITC conjugated.