

## Product datasheet for **SM2048P**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	NKTA255
Applications:	FC, IP, WB
Recommended Dilution:	<b>Western Blot:</b> This antibody detects a band of approximately 40 kDa. <b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/50-1/100 diluted antibody to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NK cells lines B12.100 and AM.25. Spleen cells from immunised mice were fused with cells of the P3U1 myeloma cell line.
Specificity:	This antibody recognises leukocyte-associated Ig-like receptor-1 (LAIR-1). Clone <i>NKTA255</i> is reported to inhibit NK cell triggering via CD16 molecules (See <i>Poggi, A. et al.</i> for details). We recommend the use of Azide Free Antibody Cat.-No SM2048A for this purpose. see <i>Poggi, A. et al.</i> for details.
Formulation:	PBS, pH 7.4 State: Aff - Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leukocyte associated immunoglobulin like receptor 1



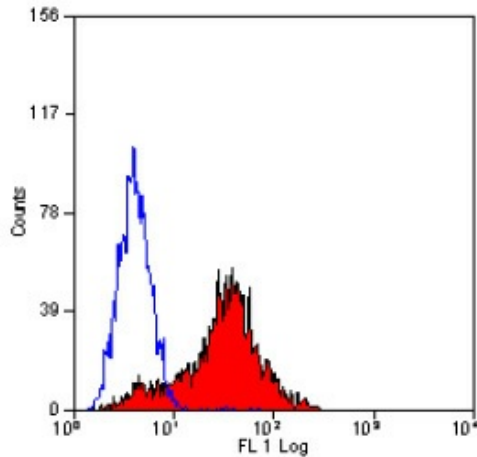
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Database Link: [Entrez Gene 3903 Human Q6GTX8](#)

**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.