

## Product datasheet for **SM2267R**

### CD244 Mouse Monoclonal Antibody [Clone ID: 2B4.69]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2B4.69
Applications:	FC
Recommended Dilution:	Flow Cytometry: neat - 1/10; use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CD244 Fusion protein. Spleen cells from immunised Balb/c mice were fused with cells of the NS-1 myeloma cell line.
Specificity:	This antibody is specific for the CD244 cell surface antigen, also known as natural killer receptor 2B4 (NKG2B4).
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE State: Lyophilized purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD244 molecule
Database Link:	<a href="#">Entrez Gene 51744 Human Q9BZW8</a>



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**Background:**

The glycoprotein CD244 is a member of the SLAM family of receptors which is expressed on natural killer (NK) cells, gamma delta T cells, CD14+ monocytes, and a subset of CD8+ T cells. CD244 was originally identified as an activating receptor on NK cells, although recent studies suggest that the receptor may have a wide range of activities including NK cell activation, costimulation, or even inhibition, depending on the cell type and stage of differentiation. The ligand of 2B4 is CD48, a GPI-anchored membrane protein also belonging to the SLAM family.

**Synonyms:**

NK cell type I receptor protein 2B4, NAIL, NKR2B4