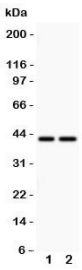
CD244 Antibody (R31168)

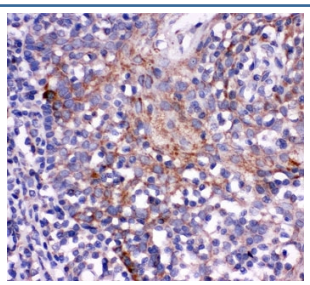
Catalog No.	Formulation	Size
R31168	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9BZW8
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This CD244 antibody is available for research use only.



Western blot testing of CD244 antbody and Lane 1: human MCF-7; 2: human HeLa lysate.



IHC-P: CD244 antibody testing of human tonsil tissue

Description

Cluster of Differentiation 244 is a human protein encoded by the CD244 gene. It is also known as Natural Killer Cell Receptor 2B4. Tangye et al.(1999) mapped the gene to 1q22. Suzuki et al.(2008) identified a functional single-nucleotide polymorphism(SNP) in the gene that contributes to rheumatoid arthritis susceptibility. Functional analysis by Boles et al.(1999) demonstrated that engagement of CD244 with specific antibody activates NK cytolytic activity. Using recombinant human NK cell-activating ligand CD244 fused to domains 3 and 4 of rodent Cd4 and flow cytometric analysis, Brown et al.(1998) demonstrated that CD48 binds to CD244. Watzl et al.(2000) showed that antibody-mediated cross-linking of the protein leads to its rapid tyrosine phosphorylation, which is necessary for CD244-mediated killer cell activity.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD244 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Cluster of Differentiation 244 (RLSRKELENFDVYS) was used as the immunogen for this CD244 antibody.

Storage

After reconstitution, the CD244 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.