

Datasheet for ABIN2660830
anti-2B4 antibody (Biotin)[Go to Product page](#)

2 Images

Overview

| | |
|--------------|---|
| Quantity: | 50 µg |
| Target: | 2B4 (CD244) |
| Reactivity: | Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This 2B4 antibody is conjugated to Biotin |
| Application: | Flow Cytometry (FACS) |

Product Details

| | |
|---------------|---|
| Clone: | M2B4 (B6)458-1 |
| Isotype: | IgG1 kappa |
| Purification: | The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin. |

Target Details

| | |
|-------------------|---|
| Target: | 2B4 (CD244) |
| Alternative Name: | CD244.2 (CD244 Products) |
| Background: | Mouse CD244, also known as 2B4, is a receptor belonging to the CD2 family of proteins involved in non- MHC-restricted cytotoxicity. It is expressed on all natural killer (NK) cells, IL-2 activated NK (LAK) cells, NKT cells, and a subset of T lymphocytes, including dendritic epidermal T cells. There are at least two isoforms of CD244.2 proteins that differ in the length |

Target Details

of the cytoplasmic domain. The long form functions in an inhibitory manner, while the short form functions in an activating manner. The ligand of CD244 is CD48, which is expressed on all hematopoietic cells. It was reported that CD244 interaction with CD48 is essential for IL-2-driven expansion and activation of murine NK cells.

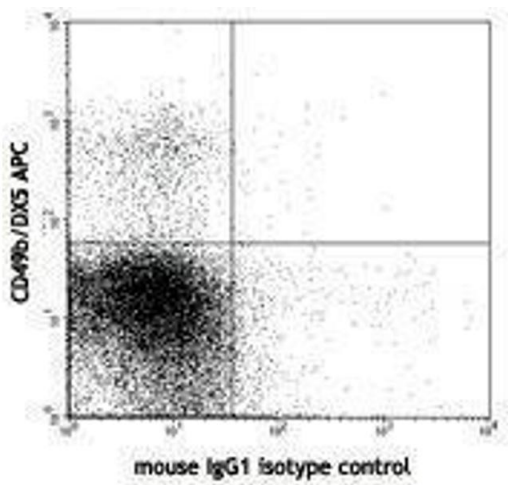
Application Details

| | |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

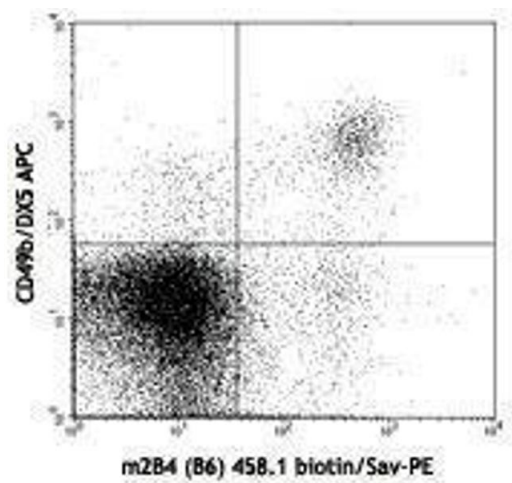
| | |
|--------------------|--|
| Concentration: | 0.5 mg/mL |
| Buffer: | Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Protect from prolonged exposure to light. Do not freeze. |
| Storage: | 4 °C |
| Storage Comment: | The antibody solution should be stored undiluted between 2°C and 8°C. |

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.