Datasheet for ABIN7655527

# anti-CD11c antibody (AA 637-827)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | CD11c (ITGAX) |
| Binding Specificity: | AA 637-827 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CD11c antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

| | |
|---|---|
| Purpose: | CD11c (Dendritic Cell Marker)(ITGAX/1242) |
| Immunogen: | Recombinant human ITGAX protein fragment (aa 637-827) |
| Clone: | ITGAX-1242 |
| Isotype: | IgG2b, kappa |
| Characteristics: | Recognizes a protein of 145 kDa, identified as CD11c. CD11c (ITGAX), a member of the leukointegrin family, shares the same beta subunit with other members of the leukocyte adhesion molecule family, which includes CD11a (LFA-1), CD11b (MAC-1) and CD11d (ITGAD), but has a unique alpha chain. CD11c has been shown to play a role in phagocytosis, cell migration, and cytokine production by monocytes/macrophages as well as induction of T-cell proliferation by Langerhans cells. CD11c is expressed prominently on the plasma membranes |

## Product Details

| | |
|---|---|
| | of monocytes, tissue macrophages, NK cells, and most dendritic cells (DCs). A lower level of expression is also observed on neutrophils as a result of its high level of expression on most DCs. An antibody to CD11c may aid in identification of lesions with histiocytic origin. It may also been used as a marker for hairy cell leukemia in paraffin-embedded tissues. |

## Target Details

| | |
|---|---|
| Target: | CD11c (ITGAX) |
| Alternative Name: | CD11c |
| Background: | Synonyms: CD11 antigen-like family member C, Complement component 3 receptor 4 subunit, Integrin alpha-X, integrin, alpha X (antigen CD11C (p150), alpha polypeptide), Leu M5 alpha subunit, Leukocyte adhesion glycoprotein p150 95 alpha chain, Myeloid membrane antigen alpha subunit, p150/95<br>Gene Symbol: ITGAX |
| Molecular Weight: | 145 kDa |
| Gene ID: | 3687 |
| UniProt: | P20702 |
| Pathways: | Complement System, Activated T Cell Proliferation, Integrin Complex |

## Application Details

| | |
|---|---|
| Application Notes: | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunohistochemistry (formalin-fixed): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user |
| Comment: | Positive Control: THP-1 cells. Tonsil or Lymph Node |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 0.2 mg/mL |
| Buffer: | PBS, 0.05 % BSA, 0.05 % azide |

## Handling

| | |
|---|---|
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date: | 24 months |