Datasheet for ABIN3031364

anti-CD11b antibody (AA 253-282)

Overview

Quantity: 0.4 mL

Target: CD11b (ITGAM)

Binding Specificity: AA 253-282

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Conjugate: This CD11b antibody is un-conjugated

Application: Flow Cytometry (FACS), Immunohistochemistry (IHC), Western Blotting (WB), ELISA

Product Details

Immunogen: A portion of amino acids 253-282 from the human protein was used as the immunogen for this CD11b antibody.

Isotype: Ig Fraction

Purification: Antigen affinity purified

Target Details

Target: CD11b (ITGAM)

Alternative Name: CD11b (ITGAM Products)

Background: CD11b is the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as
Target Details

macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles.

UniProt: P11215

Pathways: Apoptosis, Activation of Innate immune Response, Toll-Like Receptors Cascades, Activated T Cell Proliferation

Application Details

Application Notes: Titration of the CD11b antibody may be required due to differences in protocols and secondary/substrate sensitivity. IHC (Paraffin): 1:50-1:100, Flow Cytometry: 1:10-1:50, Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS pH 7.4 with 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.

Storage: -20 °C

Storage Comment: Aliquot the CD11b antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
**Western Blotting**

**Image 1.** Western blot testing of human spleen lysate with CD11b antibody. Expected molecular weight: 128-170 kDa depending on glycosylation level.

**Flow Cytometry**

**Image 2.** CD11b antibody flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

**Flow Cytometry**

**Image 3.** CD11b antibody flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Please check the product details page for more images. Overall 6 images are available for ABIN3031364.