# Anti-CD42a Antibody [A5E6-R] - BSA and Azide free

# HA610137

| | |
|---|---|
| **Product Type:** | Recombinant Mouse monoclonal IgG1, primary antibodies |
| **Species reactivity:** | Human, Mouse, Rat |
| **Applications:** | WB, IHC-P |
| **Molecular Wt:** | Predicted band size: 19 kDa |
| **Clone number:** | A5E6-R |

**Description:** Glycoprotein IX (platelet) (GP9) also known as CD42a (Cluster of Differentiation 42a), is a human gene. Platelet glycoprotein IX (GP9) is a small membrane glycoprotein found on the surface of human platelets. It forms a 1-to-1 noncovalent complex with glycoprotein Ib (GP Ib), a platelet surface membrane glycoprotein complex that functions as a receptor for von Willebrand factor(known as the Glycoprotein Ib-IX-V Receptor Complex). The main portion of the receptor is a heterodimer composed of 2 polypeptide chains, an alpha chain and a beta chain, that are linked by disulfide bonds. The complete receptor complex includes noncovalent association of the alpha and beta subunits with GP9 and platelet glycoprotein.

**Immunogen:** Recombinant protein within N-terminal human CD42a.

**Positive control:** MCF7 cell lysate, human lung tissue lysate, mouse spleen tissue lysate, mouse lung tissue lysate, mouse spleen tissue, rat spleen tissue.

**Subcellular location:** Membrane.

**Database links:** SwissProt: P14770 Human | O88186 Mouse

**Recommended Dilutions:**

| | |
|---|---|
| **WB** | 1:2,000 |
| **IHC-P** | 1:2,000 |

**Storage Buffer:** PBS (pH7.4).

**Storage Instruction:** Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

## Images

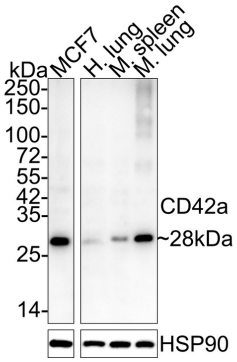


**Fig1:** Western blot analysis of CD42a on different lysates with Mouse anti-CD42a antibody (HA610137) at 1/2,000 dilution.

Lane 1: MCF7 cell lysate
Lane 2: Human lung tissue lysate
Lane 3: Mouse spleen tissue lysate
Lane 4: Mouse lung tissue lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 19 kDa
Observed band size: 28 kDa

Exposure time: 1 minute 18 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA610137) at 1/2,000 dilution was used in 5% NFDM/TBST at 4℃ overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

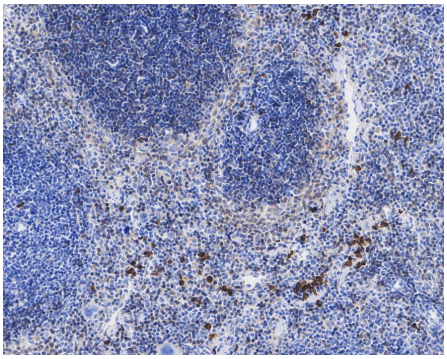

**Fig2:** Immunohistochemical analysis of paraffin-embedded mouse spleen tissue with Mouse anti-CD42a antibody (HA610137) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with dd$H_2O$ and PBS, and then probed with the primary antibody (HA610137) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

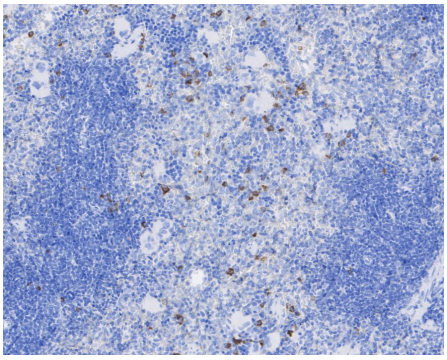

**Fig3:** Immunohistochemical analysis of paraffin-embedded rat spleen tissue with Mouse anti-CD42a antibody (HA610137) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with dd$H_2O$ and PBS, and then probed with the primary antibody (HA610137) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



## Background References

1. Martins Castanheira N et al. Uptake of platelets by cancer cells and recycling of the platelet protein CD42a. J Thromb Haemost. 2022 Jan