

Specification Sheet

Catalog Number Unit Size
 TBS10075-0.1MG 0.1mg

Description: Ionized calcium-binding adapter molecule 1 (Iba1), also known as allograft inflammatory factor-1 (AIF-1), is a 147 amino acid cytoplasmic, calcium-binding protein. Iba1 plays a role in macrophage activation and function. It is induced by cytokines and interferons. In an unstimulated state, Iba1 colocalizes with actin, and upon stimulation, translocates to lamellipodia. It is also a marker of human microglia and is expressed by macrophages in injured skeletal muscle. The gene encoding Iba1 maps to chromosome 6p21.33 and resides in the tumor necrosis factor (TNF) cluster of genes located in the region represented by the human major histocompatibility complex (MHC).

Product Type: Recombinant Rabbit monoclonal IgG, primary antibodies.

Species reactivity: Human, Mouse, Rat.

Application: WB, IHC-P, FC, IP, IF-Cell, IF-Tissue.

Isotype: IgG1.

Immunogen: Recombinant protein of Iba1.

Format: Purified, liquid.

Purification: Protein A Purified Monoclonal Antibody.

Concentration: 1.0 mg/ml.

Buffer: 10 mM PBS, 0.05% NaN₃, pH 7.2.

Pairing Assays: No.

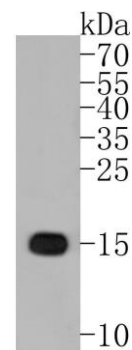
Storage: Store at -20°C for 2 years.

Antibody Dilution for immunoassays

Recommended Dilution

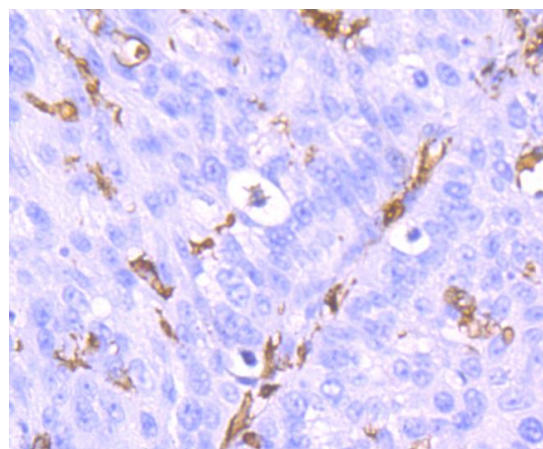
FC	1:50-1:200
IF	1:50-1:100
IHC	1:50-1:1000
IP	1:10 - 1:500
WB	1:500-1:1000

Fig.1. Western Blot



Western blot analysis of Iba1/AIF-1 on THP-1 cell lysates. The primary antibody (Iba1, 500x dilution) was used at room temperature. Goat Anti-Rabbit IgG-HRP 2nd Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

Fig.2. IHC



IHC analysis of paraffin-embedded human lung cancer tissue using an anti-Iba1 antibody. Counter stained with hematoxylin.

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