

Catalog	Unit
TBS10330-0.5MG	0.5 mg
TBS10330-1MG	1 mg
TBS10330-5MG	5 mg

Description

The InVivoMAb Anti-Human ARG1 antibody is a monoclonal antibody directed against human Arginase 1 (hARG1), a metalloenzyme that catalyzes the hydrolysis of L-arginine to L-ornithine and urea and plays a critical role in the regulation of T cell-mediated immune responses.

Synonyms

Anti-Arginase 1 Antibody, Anti-ARG1 Monoclonal Antibody, Human Arginase 1-Blocking Antibody, ARG1 Neutralizing Antibody, ARG1 Functional Inhibitory Antibody.

Product Details

- Applications:** ELISA, Flow Cytometry (FCM), Neutralization
- Species reactivity:** Human
- Host:** Mouse
- Isotype:** IgG2a, kappa
- Target:** Liver-type arginase, ARG1, Type I arginase, Arginase-1.
- Uniprot:** P05089
- Concentration:** 3 mg/ml
- Purity:** >95%
- Formulation:** Liquid
- Storage buffer:** 0.01M PBS, pH 7.4.
- Purification:** Protein A/G purified from cell culture supernatant.
- Clonality:** Monoclonal
- Storage:** Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

Data Image

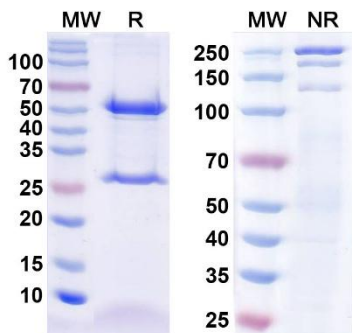


Fig. 1. SDS-PAGE analysis of Human ARG1 antibody

MW: Molecular Weight (kDa) Marker
 R: Reducing conditions
 NR: Non-Reducing conditions

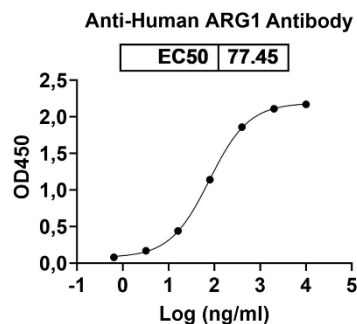


Fig. 2. Detects Human ARG1 antibody in indirect ELISAs.

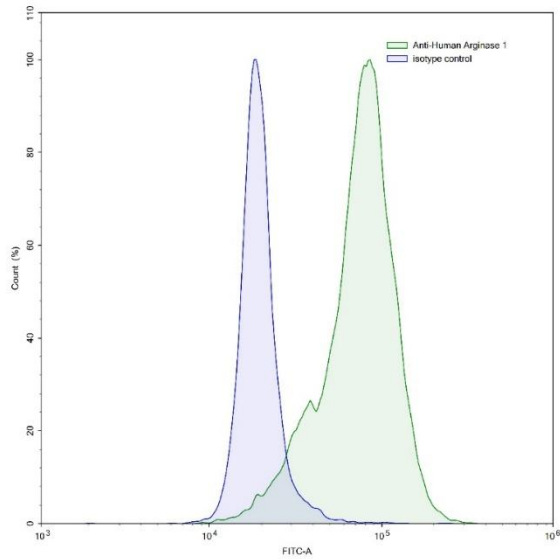


Fig. 3. Flow-cytometry using anti-human Arginase 1 antibody. Human peripheral blood lymphocytes were stained with an irrelevant antibody (Blue Histogram) or an anti-human Arginase 1 monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT.

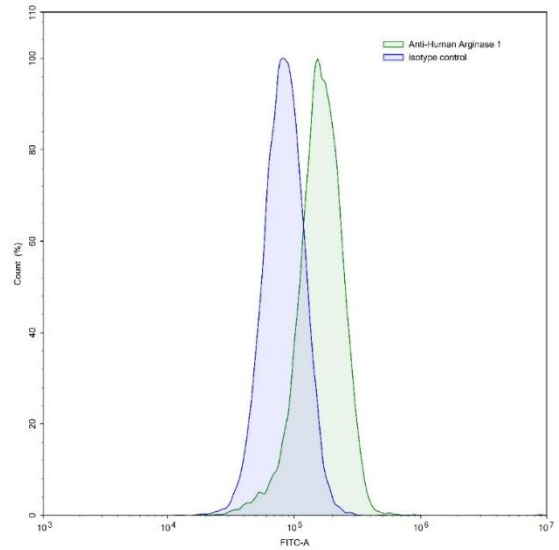


Fig. 4. Flow-cytometry using anti-human Arginase 1 antibody. M2 macrophages derived from THP-1 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human Arginase 1 monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT.

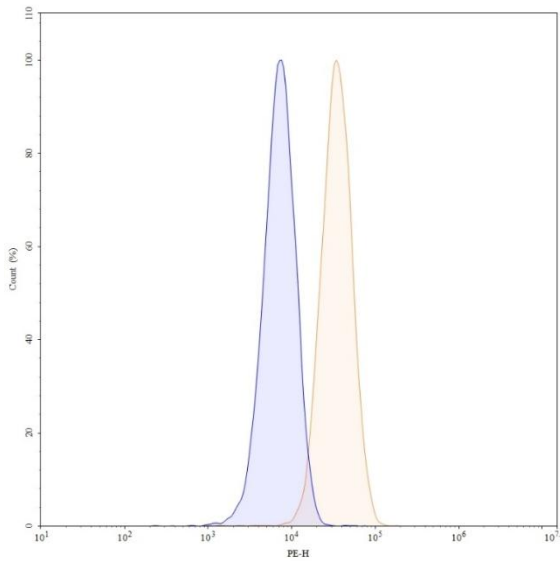


Fig. 5. Flow-cytometry using PE anti-human Arginase 1 antibody. HepG-2 cells were fixed and permeabilized, then stained with an irrelevant antibody (Blue Histogram) or an PE anti-human Arginase 1 monoclonal antibody (Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analyzed on a NovoCyt Flow Cytometer.

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