

Anti-Mouse/Human CD44 [IM7] In Vivo Antibody - Low Endotoxin

IVMB0078

Description

This Anti-Mouse/Human CD44 [IM7] In Vivo Antibody - Low Endotoxin is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: IVMB0078

Contents: 1mg, 5mg, 25mg, 50mg, 100mg
Bradford Reagent: 1 vial (2ml)

Synonyms: Hermes, Pgp-1, H-CAM, HUTCH-1, ECMR III, gp85, Ly-24

Category: Monoclonal Antibody

Target: CD44

Clone: IM7

Isotype: Rat IgG2b κ

Applications:  CyTOF[®] ELISA Det FC ICC IHC FF IHC FFPE In Vivo IP
PhenoCycler[®] WB

Specificity: Clone IM7 recognizes an epitope common to alloantigens and all isoforms of CD44 that is located between amino acids 145 and 186.

Antibody Data

Reactivity: Human, Mouse

Host species: Rat

Expression Host: -

Immunogen: Dexamethasone-induced myeloid leukemia M1 cells

Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

- Product concentration:** ≥ 5.0 mg/ml
- Endotoxin Level:** < 1.0 EU/mg as determined by the LAL method
- Purity:** $\geq 95\%$ Monomer by analytical SEC, $> 95\%$ by SDS Page
- Formulation:** This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Preparation & Storage

- Storage:** Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at $\leq -70^\circ\text{C}$. Avoid Repeated Freeze Thaw Cycles.
Store Bradford Reagent at Room Temperature for 1 Year.
- Shipping:** Next Day 2-8°C
- Preparation:** Functional grade preclinical antibodies are manufactured in an animal free facility using in vitro cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.
- Recommended Dilution Buffer:** In vivo Antibody Diluent pH 7.2

Recommended Usage:	Application	Recommended Usage
	FC	The suggested concentration for this IM7 antibody for staining cells in flow cytometry is ≤ 0.25 μg per 10^6 cells in a volume of 100 μl or 100 μl of whole blood. Titration of the reagent is recommended for optimal performance for each application.
	WB	The suggested concentration for this P84 antibody for use in western blotting is 1-10 $\mu\text{g}/\text{ml}$.

**Protein
Quantification
(Optional):**

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol