

Recombinant Monoclonal Anti-ICAM-1 Antibody, Rabbit (C056)

Catalog # HGS-M2739



Source

Recombinant Monoclonal Anti-ICAM-1 Antibody, Rabbit (C056) is an ICAM-1 primary antibody for IHC application.

Antibody Type

Recombinant Monoclonal

Clone

C056

Isotype

Rabbit IgG, Kappa

Host Species

Rabbit

Reactivity

Human

Specificity

React with ICAM-1 protein on the membrane of target cell/tissue.

Application

Application	Recommended Use
IHC-P	1: 100 - 1: 500

** Recommended dilutions are for reference only. Optimal working concentrations may vary depending on your consumables, reagents, and assay conditions. We recommend optimizing for your specific system. No warranty is made regarding performance at any specific dilution.*

Purification

Protein A purified.

Aggregation

Less than 10%, as determined by SEC-MALS.

Concentration

0.9~1.1 mg/ml

Form

Liquid

Formulation

Supplied a 0.22 µm-filtered solution in PBS containing 40% Glycerol, 0.03% Proclin 300 and 0.05% BSA, with Trehalose as protectant.

Please contact us for customized product forms or formulations.

Shipping

Liquid product is shipped at blue ice.

Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 2°C to 8°C for 14 days;
- -20°C to -70°C for 12 months.

Notices

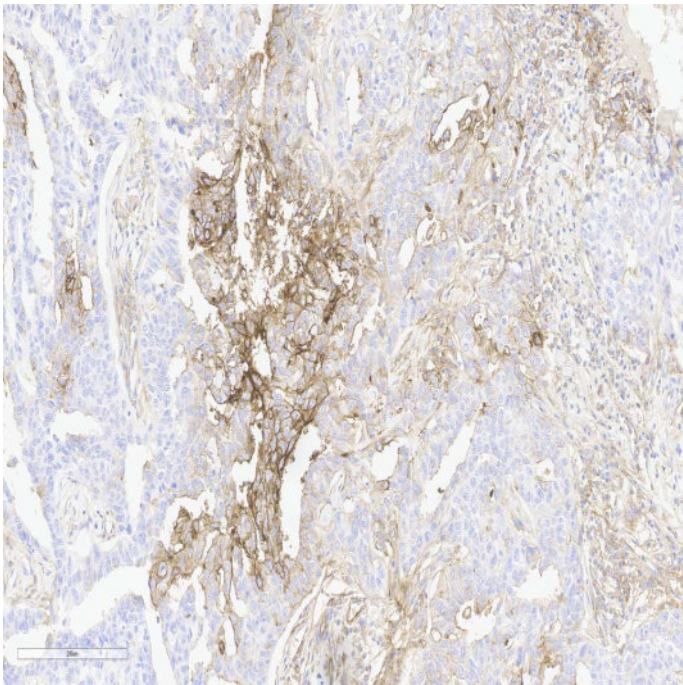
Product Specific Notices: For research use only.

ACRO Quality Management System

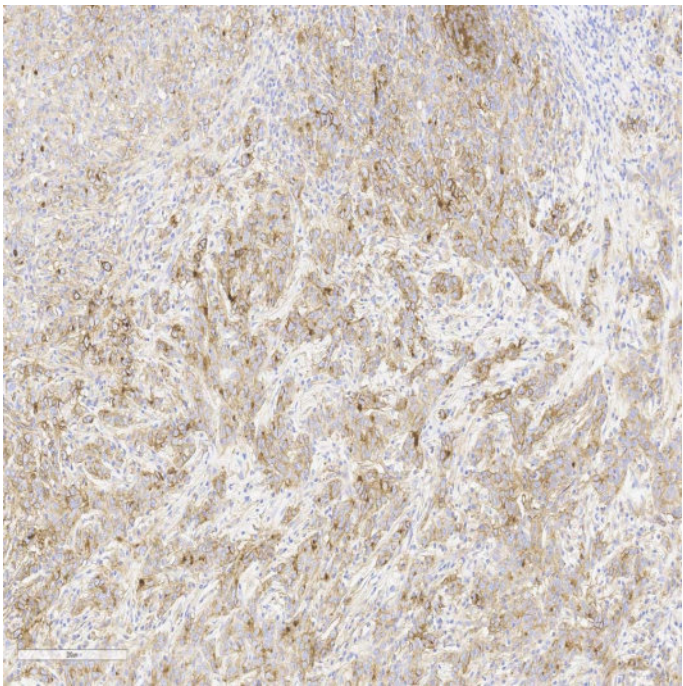
- QMS(ISO, GMP).

- [Quality Advantages](#)
- [Quality Control Process](#)

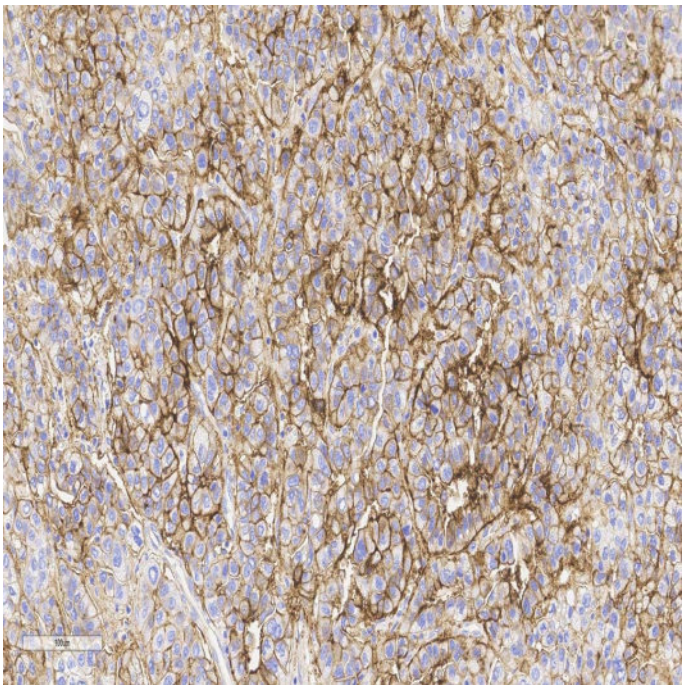
Sample Staining Data



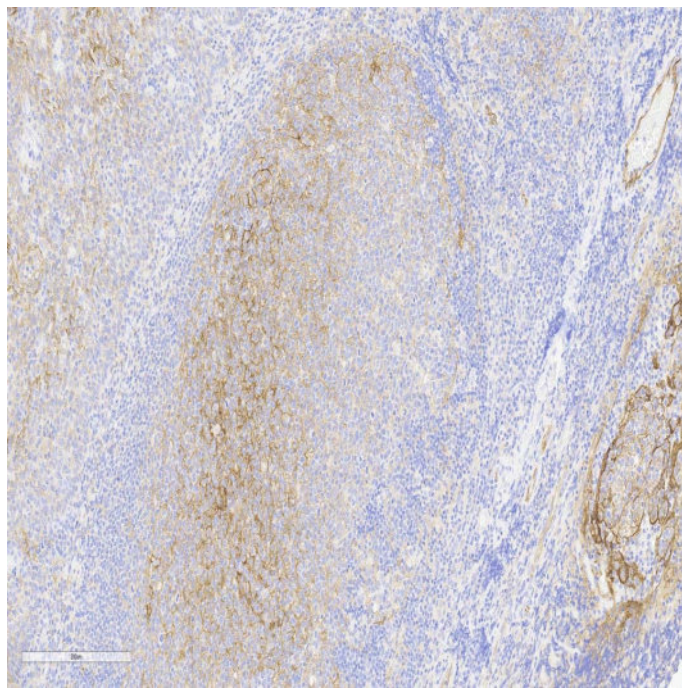
Immunohistochemical analysis of paraffin embedded human triple-negative breast cancer tissue (20X) labeled with HGS-M2739 at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



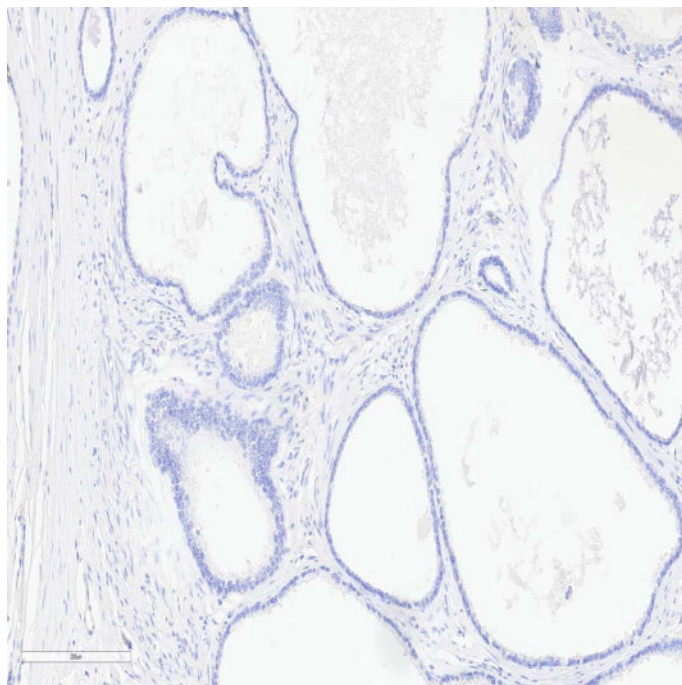
Immunohistochemical analysis of paraffin embedded human gastric cancer tissue (20X) labeled with HGS-M2739 at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



Immunohistochemical analysis of paraffin embedded human hepatocellular carcinoma tissue (20X) labeled with HGS-M2739 at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



Immunohistochemical analysis of paraffin embedded human normal tonsil tissue (20X) labeled with HGS-M2739 at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



Immunohistochemical analysis of paraffin embedded human normal prostate tissue (20X) labeled with HGS-M2739 at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.

Background

ICAM-1 (CD54) is a 90 kDa immunoglobulin superfamily adhesion molecule with low basal expression that is strongly induced by inflammatory cytokines (TNF- α , IFN- γ , IL-1) via the NF- κ B/JAK-STAT pathways. It mediates immune cell adhesion and transendothelial migration by binding to LFA-1/Mac-1 on leukocytes, and also participates in T-cell immunological synapse formation. In tumors such as TNBC, HCC, and gastric cancer, high ICAM-1 expression on tumor cells promotes invasion and metastasis, correlating with poor prognosis.



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