CD54 Polyclonal Antibody

catalog number: **E-AB-70046**

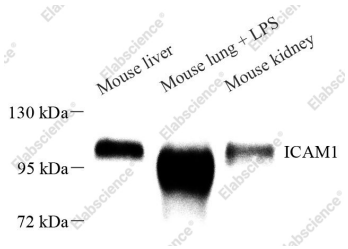
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse ICAM-1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:1000-1:3000
IHC	1:500-1:1000
IF	1:200-1:800

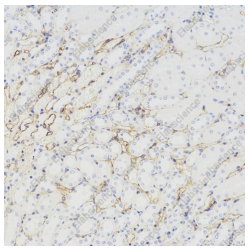
Data



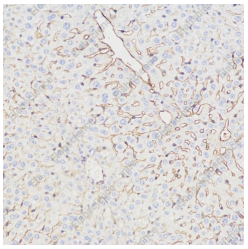
Western Blot analysis of various samples using CD54 Polyclonal Antibody at dilution of 1:1000.

Observed-MW:58 kDa

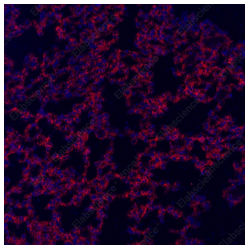
Calculated-MW:58 kDa



Immunohistochemistry analysis of paraffin-embedded mouse kidney using CD54 Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using CD54 Polyclonal Antibody at dilution of 1:500.



Immunofluorescence analysis of paraffin-embedded mouse lung using CD54 Polyclonal Antibody at dilution of 1:300.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues . ICAM-1 is expressed by several cell types,typically on endothelial cells and cells of the immune system,and its expression can be up-regulated by various stimuli,including TNF-α,INF-γ,IL-1 and thrombin . It is a ligand for LFA-1 and Mac-1,serves as a receptor for rhinovirus,and is one of several receptors used by Plasmodium falciparum .

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