

## ARG80125 Human sCD54 / sICAM1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name                  | Package        | Temp  |
|--------------|---------------------------------|----------------|---|
| ARG80125-001 | Antibody-coated microplate      | 8 X 12 strips  | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG80125-002 | Standard (Lyophilized)          | 3 X 30 ng/vial | 4°C   |
| ARG80125-003 | Standard diluent buffer         | 20 ml          | 4°C   |
| ARG80125-004 | Antibody conjugate concentrate  | 400 µl         | 4°C   |
| ARG80125-005 | Antibody diluent buffer         | 16 ml          | 4°C   |
| ARG80125-006 | HRP-Streptavidin concentrate    | 400 µl         | 4°C (Protect from light)  |
| ARG80125-007 | HRP-Streptavidin diluent buffer | 16 ml          | 4°C   |
| ARG80125-008 | 20X Wash buffer                 | 50 ml          | 4°C   |
| ARG80125-009 | TMB substrate                   | 12ml           | 4°C (Protect from light)  |
| ARG80125-010 | STOP solution                   | 12ml           | 4°C   |
| ARG80125-011 | Plate sealer                    | 4 strips       | Room temperature  |

### Summary

|                     |   |
|---------------------|---|
| Product Description | ARG80125 Human sCD54 / sICAM1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human sCD54 / sICAM1 in serum, plasma and cell culture supernatants. |
| Tested Reactivity   | Hu  |
| Tested Application  | ELISA   |
| Specificity         | No significant cross-reactivity or interference with Human sCD31, ICAM-2, sE-Selectin, sL-Selectin, sVCAM-1@mouse VCAM-1  |
| Target Name         | sCD54 / sICAM1  |
| Conjugation         | HRP   |
| Conjugation Note    | Substrate: TMB and read at 450 nm   |
| Sensitivity         | 0.24 ng/ml  |
| Sample Type         | Serum, plasma and cell culture supernatants.  |
| Standard Range      | 0.47 - 30 ng/ml   |

|                 |   |
|-----------------|---|
| Sample Volume   | 100 µl  |
| Precision       | CV: less than 10%   |
| Alternate Names | CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1 |

## Application Instructions

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|            |         |
|------------|---------|
| Assay Time | 4 hours |
|------------|---------|

## Properties

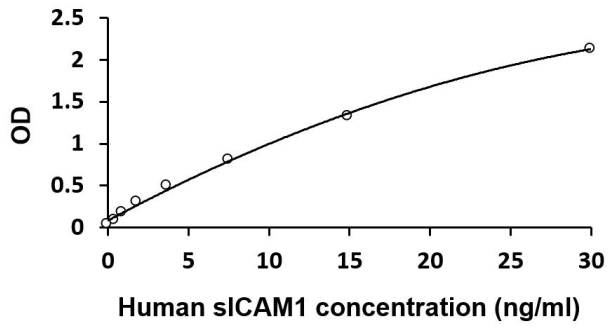
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|                     |  |
|---------------------|--|
| Form                | 96 well  |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

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|                |  |
|----------------|--|
| Gene Symbol    | ICAM1  |
| Gene Full Name | intercellular adhesion molecule 1  |
| Background     | This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]  |
| Function       | ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation (By similarity). [UniProt]   |
| Highlight      | <p>Related products:<br/> <a href="#">CD54 antibodies</a>; <a href="#">CD54 ELISA Kits</a>; <a href="#">CD54 Duos / Panels</a>;</p> <p>Related news:<br/> <a href="#">Detecting MMPs and their non-ECM substrates</a></p> <p>New ELISA data calculation tool:<br/> <a href="#">Simplify the ELISA analysis by GainData</a></p> |
| Research Area  | Cell Biology and Cellular Response kit; Developmental Biology kit; Immune System kit   |
| PTM            | Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.   |



ARG80125 Human sCD54 / sICAM1 ELISA Kit standard curve image

ARG80125 Human sCD54 / sICAM1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.