

Datasheet for ABIN1047208

## ICAM1 Protein (AA 28-480, partial) (GST tag)



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### Overview

Quantity:	100 µg
Target:	ICAM1
Protein Characteristics:	AA 28-480, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICAM1 protein is labelled with GST tag.
Application:	ELISA

### Product Details

Sequence:	QTSVSPSKVI LPRGGSVLVT CSTSCDQPKL LGIETPLPKK ELLPGNNRK VYELSNVQED SQPMCYSNCP DGQSTAKTFL TVYWTPERVE LAPLPSWQPV GKNLTLRCQV EGGAPRANLT VLLRGEKEL KREPAVGPEA EVTTTVLVRR DHHGANFSCR TELDLRPQGL ELFENTSAPY QLQTFVLPAT PPQLVSPRVL EVDTQGTVVC SLDGLFPVSE AQVHLALGDQ RLNPTVTYGN DSFSAKASVS VTADEGTQR LTCAVILGNQ SQETLQVTI YSFPAPNVIL TKPEVSEGTE VTVKCEAHPR AKVTLNGVPA QPLGPRAQLL LKATPEDNGR SFSCSATLEV AGQLIHKNQT RELRLVYGPR LDERDCPGNW TWPENSQQTP MCQAWGNPLP ELKCLKDGTF PLPIGESVTV TRDLEGTYLC RARSTQGEVT RKVTVNVLSP RYE
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

## Target Details

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Target:	ICAM1
Alternative Name:	Intercellular adhesion molecule 1 protein ( <a href="#">ICAM1 Products</a> )
Target Type:	Viral Protein
Background:	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. In case of rhinovirus infection acts as a cellular receptor for the virus.
Molecular Weight:	76.9 kD
UniProt:	<a href="#">P05362</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

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Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to

## Handling

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one week

Storage: -20 °C

Storage Comment: Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

## Publications

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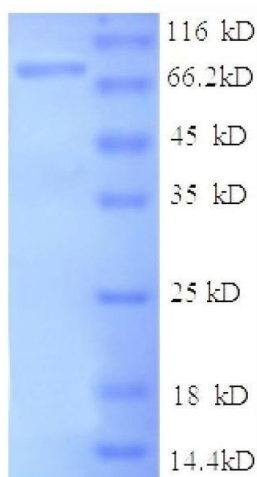
Product cited in: Tomassini, Graham, DeWitt, Lineberger, Rodkey, Colunno: "cDNA cloning reveals that the major group rhinovirus receptor on HeLa cells is intercellular adhesion molecule 1." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 86, Issue 13, pp. 4907-11, (1989) ([PubMed](#)).

Staunton, Marlin, Stratowa, Dustin, Springer: "Primary structure of ICAM-1 demonstrates interaction between members of the immunoglobulin and integrin supergene families." in: **Cell**, Vol. 52, Issue 6, pp. 925-33, (1988) ([PubMed](#)).

Simmons, Makgoba, Seed: "ICAM, an adhesion ligand of LFA-1, is homologous to the neural cell adhesion molecule NCAM." in: **Nature**, Vol. 331, Issue 6157, pp. 624-7, (1988) ([PubMed](#)).

## Images

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### SDS-PAGE

**Image 1.** Intercellular Adhesion Molecule 1 (ICAM1) (AA 28-480), (partial) protein (GST tag)