

## ARG22706 anti-Integrin alpha E2 antibody [OX-62]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [OX-62] recognizes Integrin alpha E2 This antibody recognizes OX-62 antigen, also known as rat alpha E2 integrin, an 1150 amino acid, ~130 kDa single pass type I transmembrane protein expressed by intestinal dendritic cells, dendritic epidermal T cells, intraepithelial lymphocytes in the small intestine and by cells of dendritic morphology in lymphoid organs, at sites where gamma delta T cells are present.
Tested Reactivity	Rat
Tested Application	FACS, IHC-Fr, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	OX-62
Isotype	IgG1
Target Name	Integrin alpha E2
Species	Rat
Immunogen	Density gradient enriched PVG rat thoracic duct dendritic cells.
Conjugation	Un-conjugated
Alternate Names	CD103; HUMINAE; Integrin alpha-E; Mucosal lymphocyte 1 antigen; CD antigen CD103; HML-1 antigen; Integrin alpha-IEL

### Application Instructions

Application table	Application	Dilution
	FACS	1:50 - 1:100
	IHC-Fr	1:25 - 1:100
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	ITGAE
Gene Full Name	integrin, alpha E
Background	Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an I-domain-containing alpha integrin that undergoes post-translational cleavage in the extracellular domain, yielding disulfide-linked heavy and light chains. In combination with the beta 7 integrin, this protein forms the E-cadherin binding integrin known as the human mucosal lymphocyte-1 antigen. This protein is preferentially expressed in human intestinal intraepithelial lymphocytes (IEL), and in addition to a role in adhesion, it may serve as an accessory molecule for IEL activation. [provided by RefSeq, Jul 2008]
Function	Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers. [UniProt]
Calculated Mw	130 kDa