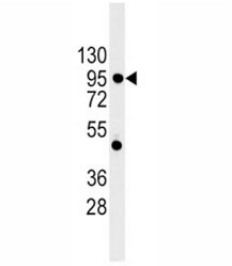
E Cadherin Antibody (F44156)

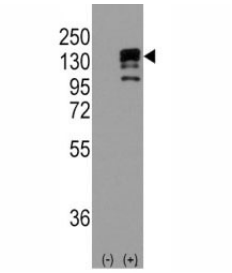
Catalog No.	Formulation	Size
F44156-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44156-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

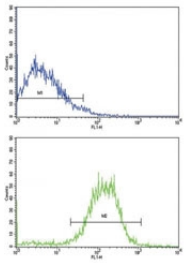
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P12830
Localization	Cytoplasmic, membranous
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
Limitations	This E Cadherin antibody is available for research use only.



Western blot analysis of E Cadherin antibody and 293 lysate. Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on gylcosylation level).



Western blot analysis of CDH1/ E Cadherin antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH1 gene (2). Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on gylcosylation level).



Flow cytometric analysis of NCI-H292 cells using E Cadherin antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

CDH1 is a classical cadherin from the cadherin superfamily. This protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization.

Application Notes

Titration of the E Cadherin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 160-189 from the human protein was used as the immunogen for this E Cadherin antibody.

Storage

Aliquot the E Cadherin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.