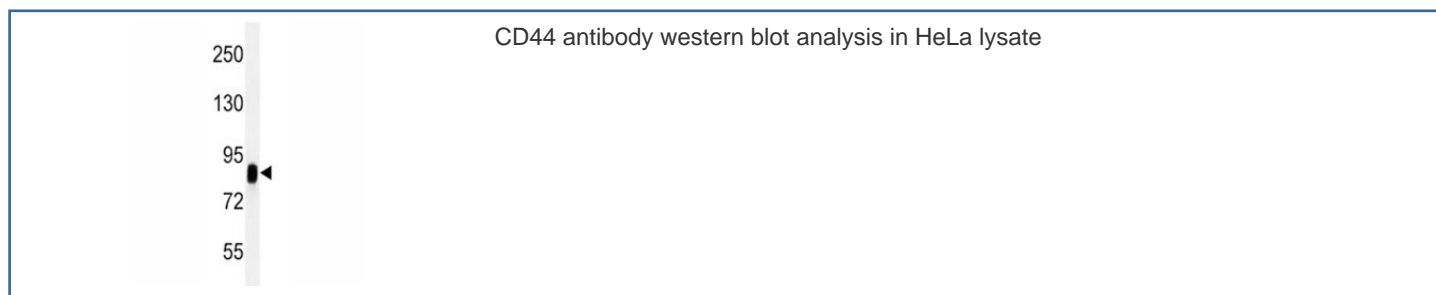


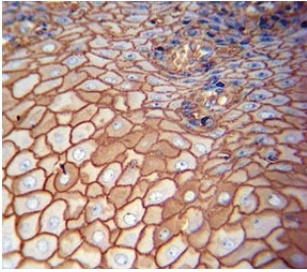
## CD44 Antibody [clone Hermes-3] (F40263)

Catalog No.	Formulation	Size
F40263-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40263-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

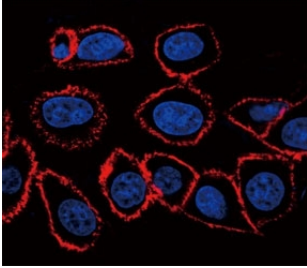
[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	Hermes-3
<b>Purity</b>	Purified
<b>UniProt</b>	P16070
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Western Blot : 1:100-1:500 Immunohistochemistry (FFPE) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This CD44 antibody is available for research use only.

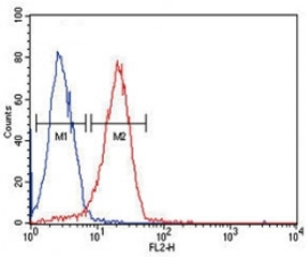




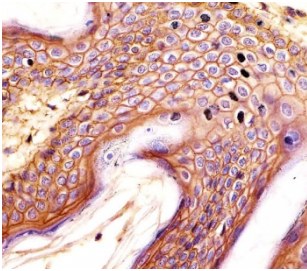
CD44 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human esophagus carcinoma.



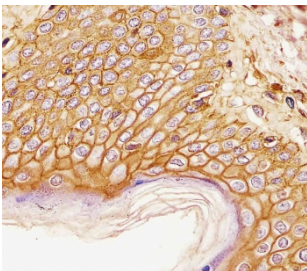
CD44 antibody confocal immunofluorescent analysis with HeLa cells. Primary Ab was followed by PE secondary (red). DAPI was used to stain the cell nucleus (blue).



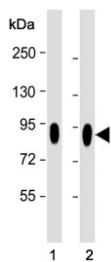
CD44 antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).



CD44 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skin.



CD44 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skin.



Western blot testing of human 1) HeLa and 2) HUVEC cell lysate with CD44 antibody.

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

## Application Notes

Titration of the CD44 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This CD44 antibody was produced from a mouse immunized with recombinant protein.

## Storage

Aliquot the CD44 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.