

### MicroVueYKL-40

For **Research Use Only**. Not for use in diagnostic procedures.

MicroVue YKL-40 measures a 40 KDA heparin binding glycoprotein, YKL-40, also known as human cartilage glycoprotein 39 (HC gp-39) in serum. Though the role of YKL-40 is unknown at present, its pattern of expression and observed associations with various disease activities suggest it plays a role in tissue remodeling and cancer (colorectal, breast) research.

#### Format

- ELISA
- 96-well microplate with reagents sufficient to test 40 samples in duplicate.
- Sample type: serum.
- Controls: High, Low.

#### Species Reactivity

- Baboon, Rhesus and Cynomolgous Macaque, Human.
- No recognition in Rat, Mouse, Guinea Pig, Rabbit, Squirrel Monkey, Pig, Dog, Cow, Horse.

#### Specimen

- Serum collected without anti-coagulants and processed to avoid hemolysis.

#### Assay Steps

- Add 20 µL Standards, Controls and Samples.
- Add 100 µL Capture Solution.
- Incubate 60 ± 5 minutes at room temperature.
- Wash 4 times with 1X Wash Buffer.
- Add 100 µL Enzyme Conjugate.
- Incubate 60 ± 5 minutes at room temperature.
- Wash 4 times with 1X Wash Buffer.
- Add 100 µL Working Substrate Solution.
- Incubate 60 ± 5 minutes at room temperature.
- Add 100 µL Stop Solution.
- Read OD at 405 nm.
- Data reduction: linear curve fit.

#### Performance Characteristics

**Method:** Sandwich  
**Analyte:** YKL-40 also known as HC gp-39  
**Specimen:** Serum  
**Specimen Volume:** 20 µL  
**Limit of Detection:** 5.4 ng/mL  
**Lower Limit of Quantification:** 15.6 ng/mL  
**Higher Limit of Quantification:** 300 ng/mL  
**Precision CVs within-run:** 5.6-6.6%  
**Precision CVs between-run:** 6.0-7.0%  
**Incubation Time:** 3 Hours  
**Cross Reactivity:** YKL-40/HC gp-39 100%

**TO ORDER:** Call Quidel Customer service at 1.800.524.6318 (USA only), 1.408.616.4301 or fax 1.408.616.4310.

**MicroVue YKL-40** Cat. #8020

#### Also Available

YKL-40 Controls (set of 4) Cat. #4821  
Mouse Anti-YKL-40 Cat. #4813  
Antibody  
Rabbit Anti-YKL-40 Cat. #4815  
Antibody



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#### Worldwide Headquarters

10165 McKellar Court  
San Diego, CA 92121 USA  
[www.quidel.com](http://www.quidel.com)

For more information on our products and other Quidel locations, visit our website.  
800.524.6318 • 408.616.4301 • 408.616.4311 (fax)

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